

VALVE PROGRAM

Technics in stainless steel for the
food, chemical and
pharmaceutical industry



Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81

Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54

Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Казахстан (772)734-952-31

Таджикистан (992)427-82-92-69



Chapter

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Valves and Components – System and Variety

Innovative and modern productions technologies as well as high reliability - these are the challenges of the future.

RIEGER is offering highest possible productivity, safety and quality in all fields of

dairies
food industry
pharmaceutical industry
biotechnical industry.

High quality standards, qualified know-how in manufacturing and innovative steady development of our products guarantee perfect solutions to our customers.

RIEGER
certainly your right partner



As a reputable German company of the NEUMO-Ehrenberg group active worldwide, RIEGER disposes of the necessary economical capability and international experience.

Customer specific requirements are planned in our CAD-based design department and then produced in our modern CNC manufacturing plant.



Modern manufacturing technology with the experience and willingness of our skilled staff constitute the basis for constant high quality of our fittings, valves, pipe fittings and components.

Sterile production plants in the food industry, the pharmaceutical and biotechnology industries require new standards for sterile components such as valves which can only be realized through uncompromising choice of material and aseptic design.

Our components and devices grant high reliability and economy of operation.

The RIEGER valve program ensures total reliability in plant systems and in process control.



Aseptic Valves



The valve body of the **RIEGER Aseptic Valves** is hermetically sealed against environment and this guarantees complete security for your liquid products. The design of the valve bodies eliminating dead space and the optimized surfaces make them a prerequisite for sterile process engineering. Due to the building block system the change from aseptic to hygienic, from “air to open” to “air to close”, from liquid to fibrous and granular media is possible without problems. Also the installation dimensions can be customized to the givens in place.

Under special conditions such as high sterilization temperatures, RIEGER Aseptic valves fulfill all demands on operational security and reliable function.

Your advantages

Design	solid valve body no dead spaces completely draining many built-in positions possible
Product safety	hermetically sealed against environment no dome or sump in product space
Maintenance	change of seals without special tools less standing times optimum cleanability screwed-in bellows
Efficiency	long life of the PTFE bellows standard seals low spare part costs

Technical Data

Material	in product contact	1.4404/AISI316L
	optional	1.4435/AISI316L
	non product contact	1.4301/AISI304
Seals	PTFE bellows	PTFE
	metal bellows	1.4571/1.4404
	O-rings/seals	EPDM
Temperatures	maximum	EPDM PTFE
	operating	130 °C* 121 °C* (250 °F)
	temperature	(266 °F)
	sterilizing	150 °C* 135 °C* (275 °F)
	temperature	(300 °F) short-time (approx. 20 min)
Operating pressure	closing pressure	max. 6 bar (87 psi)
	but: change-over valves and mix proof valve for tank type N7	see catalog pages
	actuator control air pressure	min 6 bar (87 psi)- max.10 bar (145 psi)
Surfaces	in product contact	Ra <= 0,8 µm (32 µin)
	optional	electro polished, other surfaces upon request
	no product contact	Ra <=1,6 µm (63 µin)
Connections Standard pipes	DIN 11850-R2 (DIN 11866 A) O.D. tube (DIN 11866 C) DIN EN ISO 1127 (DIN 11866-B)	

* dependent upon operating conditions



3-A versions available



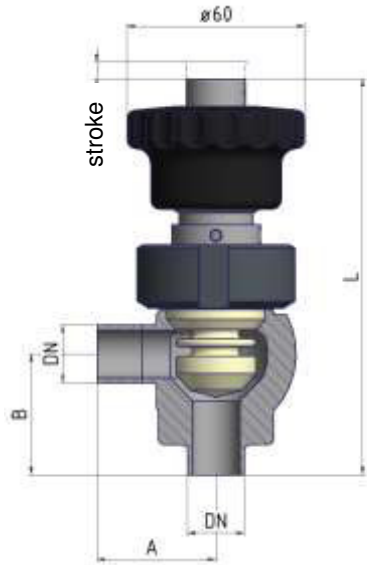


Aseptic Valves



Aseptic Right Angle Valve Type L

manual with plastic hand wheel

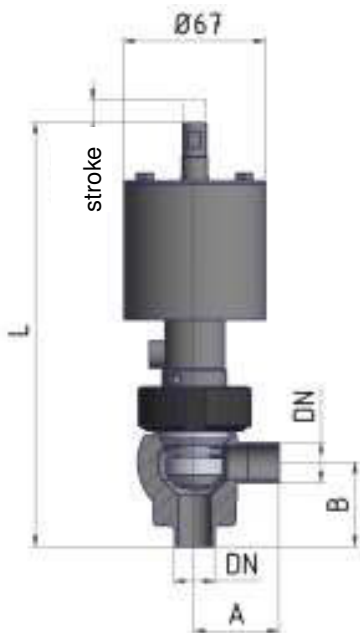


DIN	Pipe	A	B	L	Stroke	kg
10	13 x 1,5	35	35	125	5	1,6
15	19 x 1,5	40	40	130	5	1,6
20	23 x 1,5	45	45	135	5	1,6

Inch	Pipe	A	B	L	Stroke	kg
1/2"	12,7 x 1,65	35	35	125	5	1,6
3/4"	19,05 x 1,65	40	40	130	5	1,6

Aseptic Right Angle Valve Type L

pneumatic – air to open-spring to close NC



DIN	Pipe	A	B	L	Stroke	kg
10	13 x 1,5	35	35	200	5	2,5
15	19 x 1,5	40	40	205	5	2,5
20	23 x 1,5	45	45	210	5	2,5

Inch	Pipe	A	B	L	Stroke	kg
1/2"	12,7 x 1,65	35	35	200	5	2,5
3/4"	19,05 x 1,65	40	40	205	5	2,5



Aseptic Right Angle Valve Type L

manual with plastic hand wheel

PTFE bellows

DIN	Reference Number
10	40004.2000.05.0001.32
15	40004.2000.05.0002.32
20	40004.2000.05.0003.32

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Inch	Reference Number
1/2"	40004.2000.05.0022.32
3/4"	40004.2000.05.0023.32

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Aseptic Right Angle Valve Type L

pneumatic – air to open-spring to close NC

PTFE bellows

DIN	Reference Number
10	40001.2000.05.0001.32
15	40001.2000.05.0002.32
20	40001.2000.05.0003.32

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Inch	Reference Number
1/2"	40001.2000.05.0022.32
3/4"	40001.2000.05.0023.32

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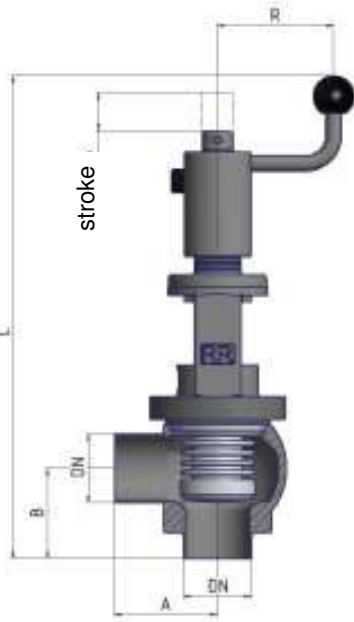


Aseptic Valves



Aseptic Right Angle Valve Type L

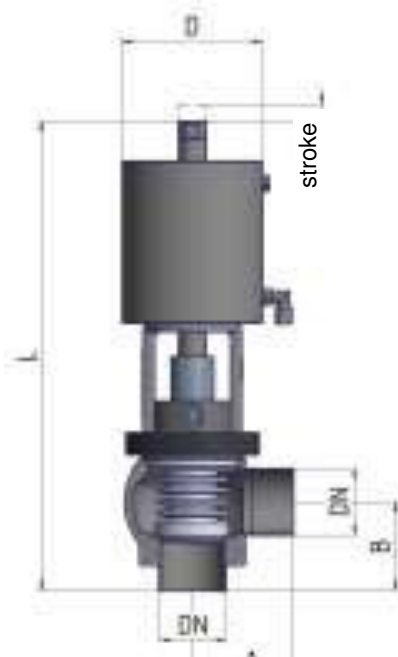
manual with crank handle



DN	Pipe	A	B	R	L	Stroke	kg	
25	29 x 1,5	50	50	73	310	7	3,1	
40	41 x 1,5	60	60	73	330	9	5,3	
50	53 x 1,5	80	70	90	400	12	5,7	
65	70 x 2	100	80	90	415	16	7,6	
80	85 x 2	125	90	90	445	18	10,3	
100	104 x 2	150	100	90	465	23	14,3	
1"	25,4 x 1,65					7	3,1	
1 1/2"	38,1 x 1,65	In case of order					9	5,3
2"	50,8 x 1,65	you get a 3D step file					12	5,7
2 1/2"	63,5 x 1,65	for your design department.					15	7,6
3"	76,2 x 1,65					18	10,3	
4"	101,6 x 2,11					23	14,3	

Aseptic Right Angle Valve Type L

pneumatic – air to open-spring to close NC



DN	Pipe	A	B	D	L	Stroke	kg	
25	29 x 1,5	50	50	90	310	7	5,1	
40	41 x 1,5	60	60	90	325	9	6,2	
50	53 x 1,5	80	70	110	384	12	10,4	
65	70 x 2	100	80	133	445	16	15,2	
80	85 x 2	125	90	160	509	18	24,7	
100	104 x 2	150	100	168	527	23	28,6	
1"	25,4 x 1,65					7	5,1	
1 1/2"	38,1 x 1,65	In case of order					9	6,2
2"	50,8 x 1,65	you get a 3D step file					12	10,4
2 1/2"	63,5 x 1,65	for your design department.					16	15,2
3"	76,2 x 1,65					18	24,7	
4"	101,6 x 2,11					23	28,6	



Aseptic Right Angle Valve Type L

manual with crank handle

DN	PTFE bellows		Metal bellows	
	Reference Number		Reference Number	
25	40040.2000.05.0004.32		40040.3000.01.0004.32	
40	40040.2000.05.0006.32		40040.3000.01.0006.32	
50	40040.2000.05.0007.32		40040.3000.01.0007.32	
65	40040.2000.05.0008.32		40040.3000.01.0008.32	
80	40040.2000.05.0009.32		40040.3000.01.0009.32	
100	40040.2000.05.0010.32		40040.3000.01.0010.32	
1"	40040.2000.05.0024.32		40040.3000.01.0024.32	
1 1/2"	40040.2000.05.0026.32		40040.3000.01.0026.32	
2"	40040.2000.05.0027.32		40040.3000.01.0027.32	
2 1/2"	40040.2000.05.0028.32		40040.3000.01.0028.32	
3"	40040.2000.05.0029.32		40040.3000.01.0029.32	
4"	40040.2000.05.0030.32		40040.3000.01.0030.32	

Aseptic Right Angle Valve Type L

pneumatic – air to open-spring to close NC

DN	PTFE bellows		Metal bellows	
	Reference Number		Reference Number	
25	40010.2000.05.0004.32		40010.3000.01.0004.32	
40	40010.2000.05.0006.32		40010.3000.01.0006.32	
50	40010.2000.05.0007.32		40010.3000.01.0007.32	
65	40010.2000.05.0008.32		40010.3000.01.0008.32	
80	40010.2000.05.0009.32		40010.3000.01.0009.32	
100	40010.2000.05.0010.32		40010.3000.01.0010.32	
1"	40010.2000.05.0024.32		40010.3000.01.0024.32	
1 1/2"	40010.2000.05.0026.32		40010.3000.01.0026.32	
2"	40010.2000.05.0027.32		40010.3000.01.0027.32	
2 1/2"	40010.2000.05.0028.32		40010.3000.01.0028.32	
3"	40010.2000.05.0029.32		40010.3000.01.0029.32	
4"	40010.2000.05.0030.32		40010.3000.01.0030.32	

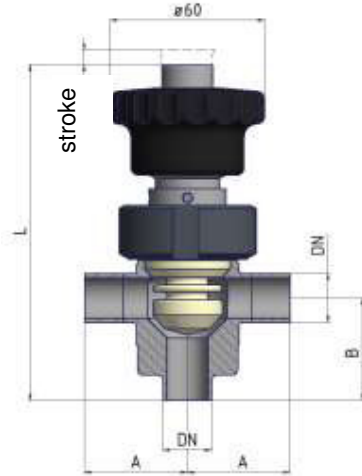


Aseptic Valves



Aseptic Double Right Angle Valve Type T

manual with plastic hand wheel

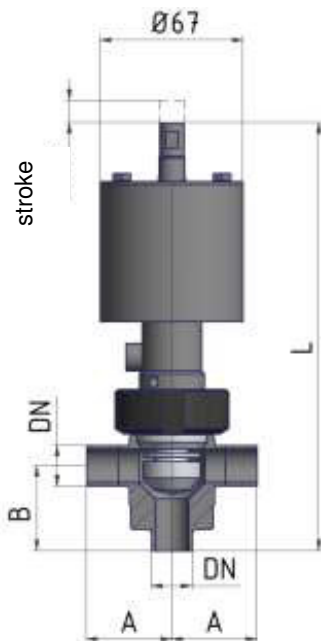


DIN	Pipe	A	B	L	Stroke	kg
10	13 x 1,5	35	35	125	5	1,6
15	19 x 1,5	40	40	130	5	1,6
20	23 x 1,5	45	45	135	5	1,6

Inch	Pipe	A	B	L	Stroke	kg
1/2"	12,7 x 1,65	35	35	125	5	1,6
3/4"	19,05 x 1,65	40	40	130	5	1,6

Aseptic Double Right Angle Valve Type T

pneumatic – air to open-spring to close NC



DIN	Pipe	A	B	L	Stroke	kg
10	13 x 1,5	35	35	200	5	2,5
15	19 x 1,5	40	40	205	5	2,5
20	23 x 1,5	45	45	210	5	2,5

Inch	Pipe	A	B	L	Stroke	kg
1/2"	12,7 x 1,65	35	35	200	5	2,5
3/4"	19,05 x 1,65	40	40	205	5	2,5



Aseptic Double Right Angle Valve Type T

manual with plastic hand wheel

PTFE bellows

DIN	Reference Number
10	40104.2000.05.0001.32
15	40104.2000.05.0002.32
20	40104.2000.05.0003.32

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Inch	Reference Number
1/2"	40104.2000.05.0022.32
3/4"	40104.2000.05.0023.32

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Aseptic Double Right Angle Valve Type T

pneumatic – air to open-spring to close NC

PTFE bellows

DIN	Reference Number
10	40101.2000.05.0001.32
15	40101.2000.05.0002.32
20	40101.2000.05.0003.32

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Inch	Reference Number
1/2"	40101.2000.05.0022.32
3/4"	40101.2000.05.0023.32

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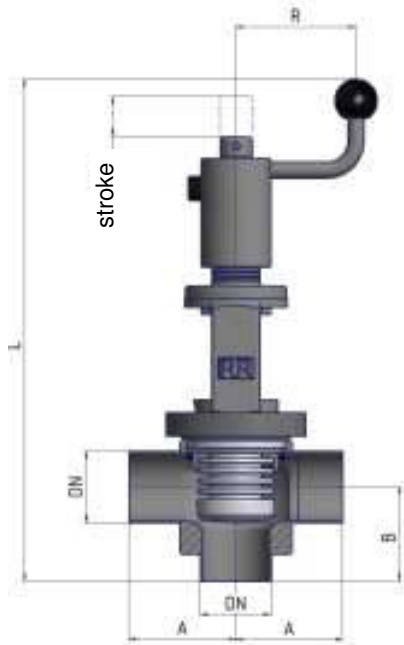


Aseptic Valves



Aseptic Double Right Angle Valve Type T

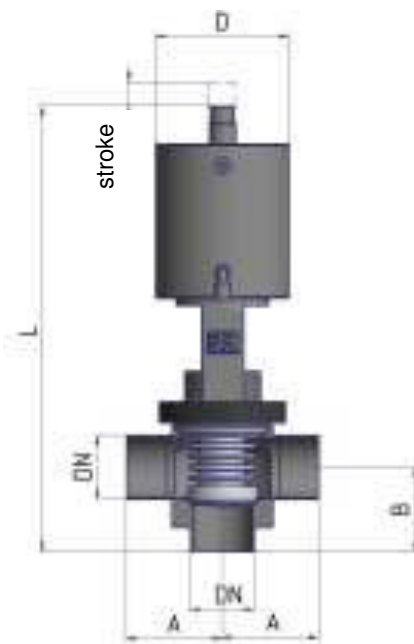
manual with crank handle



DN	Pipe	A	B	R	L	Stroke	kg
25	29 x 1,5	50	50	73	310	7	3,1
40	41 x 1,5	60	60	73	330	9	5,3
50	53 x 1,5	80	70	90	400	12	5,7
65	70 x 2	100	80	90	415	16	7,6
80	85 x 2	125	90	90	445	18	10,3
100	104 x 2	150	100	90	465	23	14,3
1"	25,4 x 1,65					7	5,1
1 1/2"	38,1 x 1,65	In case of order				9	6,2
2"	50,8 x 1,65	you get a 3D step file				12	10,4
2 1/2"	63,5 x 1,65	for your design department.				16	15,2
3"	76,2 x 1,65					18	24,7
4"	101,6 x 2,11					23	28,6

Aseptic Double Right Angle Valve Type T

pneumatic – air to open-spring to close NC



DN	Pipe	A	B	D	L	Stroke	kg
25	29 x 1,5	50	50	90	310	7	3,1
40	41 x 1,5	60	60	90	325	9	5,3
50	53 x 1,5	80	70	110	384	12	5,7
65	70 x 2	100	80	133	445	16	7,6
80	85 x 2	125	90	160	509	18	10,3
100	104 x 2	150	100	168	527	23	14,3
1"	25,4 x 1,65					7	5,1
1 1/2"	38,1 x 1,65	In case of order				9	6,2
2"	50,8 x 1,65	you get a 3D step file				12	10,4
2 1/2"	63,5 x 1,65	for your design department.				16	15,2
3"	76,2 x 1,65					18	24,7
4"	101,6 x 2,11					23	28,6



Aseptic Double Right Angle Valve Type T

manual with crank handle

PTFE bellows		Metal bellows
DN	Reference Number	Reference Number
25	40140.2000.05.0004.32	40140.3000.01.0004.32
40	40140.2000.05.0006.32	40140.3000.01.0006.32
50	40140.2000.05.0007.32	40140.3000.01.0007.32
65	40140.2000.05.0008.32	40140.3000.01.0008.32
80	40140.2000.05.0009.32	40140.3000.01.0009.32
100	40140.2000.05.0010.32	40140.3000.01.0010.32
1"	40140.2000.05.0024.32	40140.3000.01.0024.32
1 1/2"	40140.2000.05.0026.32	40140.3000.01.0026.32
2"	40140.2000.05.0027.32	40140.3000.01.0027.32
2 1/2"	40140.2000.05.0028.32	40140.3000.01.0028.32
3"	40140.2000.05.0029.32	40140.3000.01.0029.32
4"	40140.2000.05.0030.32	40140.3000.01.0030.32

Aseptic Double Right Angle Valve Type T

pneumatic – air to open-spring to close NC

PTFE bellows		Metal bellows
DN	Reference Number	Reference Number
25	40110.2000.05.0004.32	40110.3000.01.0004.32
40	40110.2000.05.0006.32	40110.3000.01.0006.32
50	40110.2000.05.0007.32	40110.3000.01.0007.32
65	40110.2000.05.0008.32	40110.3000.01.0008.32
80	40110.2000.05.0009.32	40110.3000.01.0009.32
100	40110.2000.05.0010.32	40110.3000.01.0010.32
1"	40110.2000.05.0024.32	40110.3000.01.0024.32
1 1/2"	40110.2000.05.0026.32	40110.3000.01.0026.32
2"	40110.2000.05.0027.32	40110.3000.01.0027.32
2 1/2"	40110.2000.05.0028.32	40110.3000.01.0028.32
3"	40110.2000.05.0029.32	40110.3000.01.0029.32
4"	40110.2000.05.0030.32	40110.3000.01.0030.32

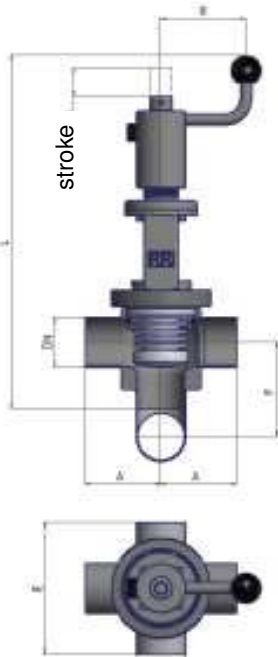


Aseptic Valves



Aseptic Cross Valve Typ TT

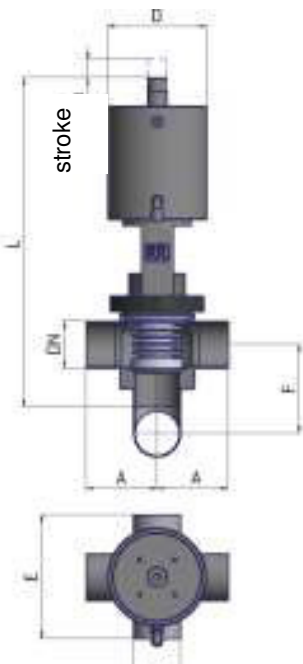
manual with crank handle



DN	Pipe	A	E	F	R	L	Stroke	kg	
25	29 x 1,5	50	100	66	73	310	7	3,2	
40	41 x 1,5	60	120	82	73	330	9	5,5	
50	53 x 1,5	80	140	99	90	400	12	6,0	
65	70 x 2	100	160	119	90	415	16	8,2	
80	85 x 2	125	180	136	90	445	18	11,2	
100	104 x 2	150	200	156	90	465	23	15,9	
1"	25,4 x 1,65						7	3,2	
1 1/2"	38,1 x 1,65	In case of order						9	5,5
2"	50,8 x 1,65	you get a 3D step file						12	6,0
2 1/2"	63,5 x 1,65	for your design department.						15	8,2
3"	76,2 x 1,65						18	11,2	
4"	101,6 x 2,11						23	15,9	

Aseptic Cross Valve Type TT

pneumatic – air to open-spring to close NC



DN	Pipe	A	E	F	D	L	Stroke	kg	
25	29 x 1,5	50	100	66	90	310	7	5,2	
40	41 x 1,5	60	120	82	90	325	9	6,4	
50	53 x 1,5	80	140	99	110	384	12	10,7	
65	70 x 2	100	160	119	133	445	16	15,8	
80	85 x 2	125	180	136	160	509	18	25,6	
100	104 x 2	150	200	156	168	527	23	30,2	
1"	25,4 x 1,65						7	5,2	
1 1/2"	38,1 x 1,65	In case of order						9	6,4
2"	50,8 x 1,65	you get a 3D step file						12	10,7
2 1/2"	63,5 x 1,65	for your design department.						15	15,8
3"	76,2 x 1,65						18	25,6	
4"	101,6 x 2,11						23	30,2	



Aseptic Cross Valve Type TT

manual with crank handle

PTFE bellows		Metal bellows
DN	Reference Number	Reference Number
25	40340.2000.05.0004.32	40340.3000.01.0004.32
40	40340.2000.05.0006.32	40340.3000.01.0006.32
50	40340.2000.05.0007.32	40340.3000.01.0007.32
65	40340.2000.05.0008.32	40340.3000.01.0008.32
80	40340.2000.05.0009.32	40340.3000.01.0009.32
100	40340.2000.05.0010.32	40340.3000.01.0010.32
1"	40340.2000.05.0024.32	40340.3000.01.0024.32
1 1/2"	40340.2000.05.0026.32	40340.3000.01.0026.32
2"	40340.2000.05.0027.32	40340.3000.01.0027.32
2 1/2"	40340.2000.05.0028.32	40340.3000.01.0028.32
3"	40340.2000.05.0029.32	40340.3000.01.0029.32
4"	40340.2000.05.0030.32	40340.3000.01.0030.32

Aseptic Cross Valve Type TT

pneumatic – air to open-spring to close NC

PTFE bellows		Metal bellows
DN	Reference Number	Reference Number
25	40310.2000.05.0004.32	40310.3000.01.0004.32
40	40310.2000.05.0006.32	40310.3000.01.0006.32
50	40310.2000.05.0007.32	40310.3000.01.0007.32
65	40310.2000.05.0008.32	40310.3000.01.0008.32
80	40310.2000.05.0009.32	40310.3000.01.0009.32
100	40310.2000.05.0010.32	40310.3000.01.0010.32
1"	40310.2000.05.0024.32	40310.3000.01.0024.32
1 1/2"	40310.2000.05.0026.32	40310.3000.01.0026.32
2"	40310.2000.05.0027.32	40310.3000.01.0027.32
2 1/2"	40310.2000.05.0028.32	40310.3000.01.0028.32
3"	40310.2000.05.0029.32	40310.3000.01.0029.32
4"	40310.2000.05.0030.32	40310.3000.01.0030.32

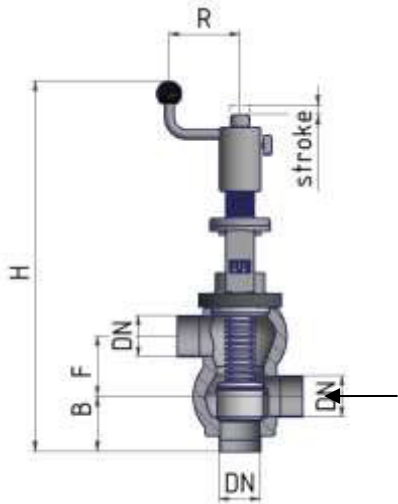


Aseptic Valves



Aseptic Change Over Valve Type LL

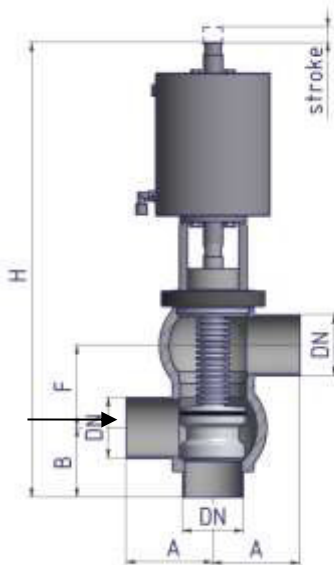
manual with crank handle – 3 ports – one-piece valve body



DN	Pipe	A	B	F	R	H	Stroke	kg
25	29 x 1,5	50	50	55	73	360	18	4,2
40	41 x 1,5	60	60	65	73	385	18	6,3
50	53 x 1,5	80	70	77	90	475	22	9,9
65	70 x 2	100	80	95	90	510	25	12,7
80	85 x 2	125	90	110	90	555	33	17,8
100	104 x 2	150	100	129	90	595	35	23,4
1"	25,4 x 1,65	In case of order					18	4,2
1 1/2"	38,1 x 1,65	you get a 3D step file					18	6,3
2"	50,8 x 1,65	for your design department.					22	9,9
2 1/2"	63,5 x 1,65	Closing pressure of 6 bar					25	12,7
3"	76,2 x 1,65	only with flow direction					33	17,8
4"	101,6 x 2,11	into middle port – see arrow.					35	23,4

Aseptic Change Over Valve Type LL

pneumatic – air to open-spring to close NC – 3 ports – one-piece valve body



DN	Pipe	A	B	F	D	H	Stroke	kg
25	29 x 1,5	50	50	55	90	361	18	6,2
40	41 x 1,5	60	60	65	90	387	18	7,2
50	53 x 1,5	80	70	77	110	459	22	14,6
65	70 x 2	100	80	95	133	539	25	17,4
80	85 x 2	125	90	110	172	630	33	27,5
100	104 x 2	150	100	129	172	665	35	35,2
1"	25,4 x 1,65	In case of order					18	6,2
1 1/2"	38,1 x 1,65	you get a 3D step file					18	7,2
2"	50,8 x 1,65	for your design department.					22	14,6
2 1/2"	63,5 x 1,65	Drawing shows NC -					25	17,4
3"	76,2 x 1,65	NC = If air fails, lower					33	27,5
4"	101,6 x 2,11	port is closed.					35	35,2

Closing pressure of 6 bar is only ensured with flow direction into middle port with control air pressure of at least 6 bar (max. 10 bar) – see arrow.



Aseptic Change Over Valve Type LL

manual with crank handle – 3 ports – one-piece valve body

PTFE bellows

DN	Reference Number
25	40440.2000.05.0004.32
40	40440.2000.05.0006.32
50	40440.2000.05.0007.32
65	40440.2000.05.0008.32
80	40440.2000.05.0009.32
100	40440.2000.05.0010.32
1"	40440.2000.05.0024.32
1 1/2"	40440.2000.05.0026.32
2"	40440.2000.05.0027.32
2 1/2"	40440.2000.05.0028.32
3"	40440.2000.05.0029.32
4"	40440.2000.05.0030.32

Aseptic Change Over Valve Type LL

pneumatic – air to open-spring to close NC – 3 ports – one-piece valve body

PTFE bellows

DN	Reference Number
25	40410.2000.05.0004.32
40	40410.2000.05.0006.32
50	40410.2000.05.0007.32
65	40410.2000.05.0008.32
80	40410.2000.05.0009.32
100	40410.2000.05.0010.32
1"	40410.2000.05.0024.32
1 1/2"	40410.2000.05.0026.32
2"	40410.2000.05.0027.32
2 1/2"	40410.2000.05.0028.32
3"	40410.2000.05.0029.32
4"	40410.2000.05.0030.32

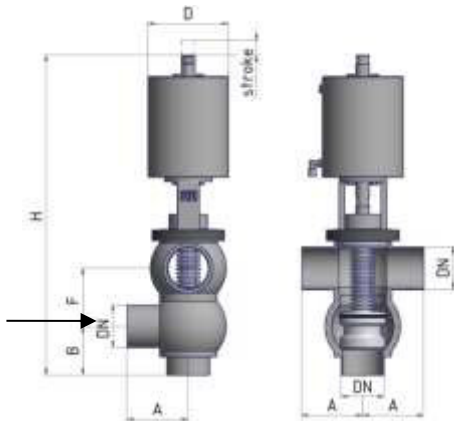


Aseptic Valves



Aseptic Change Over Valve Type TL

pneumatic – air to open-spring to close NC – **4 ports – one-piece valve body**



DN	Pipe	A	B	F	D	H	Stroke	kg
25	29 x 1,5	50	50	55	90	361	18	6,2
40	41 x 1,5	60	60	65	90	387	18	7,2
50	53 x 1,5	80	70	77	110	459	22	14,6
65	70 x 2	100	80	95	133	539	25	17,4
80	85 x 2	125	90	110	172	630	33	27,5
100	104 x 2	150	100	129	172	665	35	35,2
1"	25,4 x 1,65	In case of order					18	6,2
1 1/2"	38,1 x 1,65	you get a 3D step file					18	7,2
2"	50,8 x 1,65	for your design department.					22	14,6
2 1/2"	63,5 x 1,65	Drawing shows NC -					25	17,4
3"	76,2 x 1,65	NC = If air fails, lower					33	27,5
4"	101,6x2,11	port is closed.					35	35,2

Closing pressure of 6 bar is only ensured with flow direction into middle port with control air pressure of at least 6 bar (max. 10 bar) – see arrow.



Aseptic Change Over Valve Type TL

pneumatic – air to open-spring to close NC – **4 ports – one-piece valve body**

PTFE bellows

DN	Reference Number
25	40410.2040.05.0004.32
40	40410.2040.05.0006.32
50	40410.2040.05.0007.32
65	40410.2040.05.0008.32
80	40410.2040.05.0009.32
100	40410.2040.05.0010.32
1"	40410.2040.05.0024.32
1 1/2"	40410.2040.05.0026.32
2"	40410.2040.05.0027.32
2 1/2"	40410.2040.05.0028.32
3"	40410.2040.05.0029.32
4"	40410.2040.05.0030.32

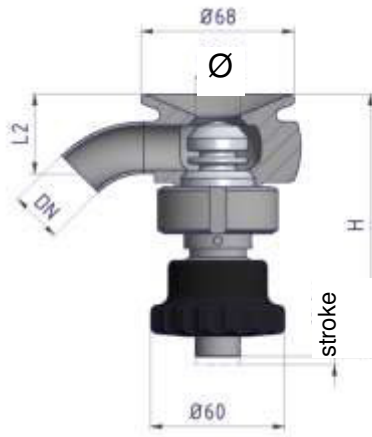


Aseptic Valves



Aseptic Bottom Seat Small Valve

manual with plastic hand wheel

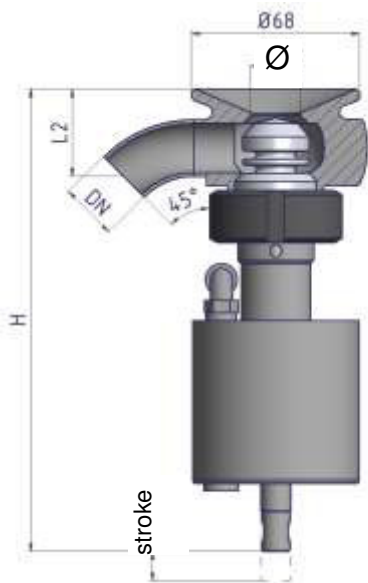


DIN	Pipe	H	L2	Stroke	kg	Ø
10	13 x 1,5	115	35	5	1,4	16
15	19 x 1,5	115	35	5	1,4	20
20	23 x 1,5	115	35	5	1,4	20

Valve body with turned on weld-in flange
for direct welding into tank bottom

Aseptic Bottom Seat Small Valve

pneumatic – air to open-spring to close NC



DIN	Pipe	H	L2	Stroke	kg	Ø
10	13 x 1,5	189	35	5	2,3	16
15	19 x 1,5	189	35	5	2,3	20
20	23 x 1,5	189	35	5	2,3	20

Valve body with turned on weld-in flange
for direct welding into tank bottom



Aseptic Bottom Seat Small Valve

manual with plastic hand wheel

1 port		2 ports	
DIN	Reference Number	DIN	Reference Number
10	40704.2100.05.0001.32		40704.2100.05.0101.32
15	40704.2100.05.0002.32		40704.2100.05.0202.32
20	40704.2100.05.0003.32		40704.2100.05.0303.32

Gasket Kit Product Side	
10-20	5005113

Aseptic Bottom Seat Small Valve

pneumatic – air to open-spring to close NC

1 ports		2 ports	
DIN	Reference Number	DIN	Reference Number
10	40701.2100.05.0001.32		40701.2100.05.0101.32
15	40701.2100.05.0002.32		40701.2100.05.0202.32
20	40701.2100.05.0003.32		40701.2100.05.0303.32

Gasket Kit Product Side	
10-20	5005113

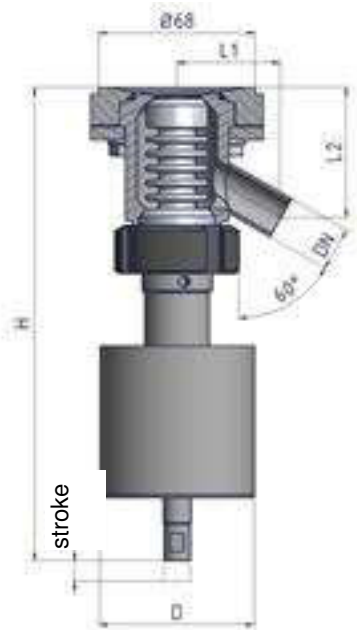


Aseptic Valves



Aseptic Bottom Seat Valve 30°

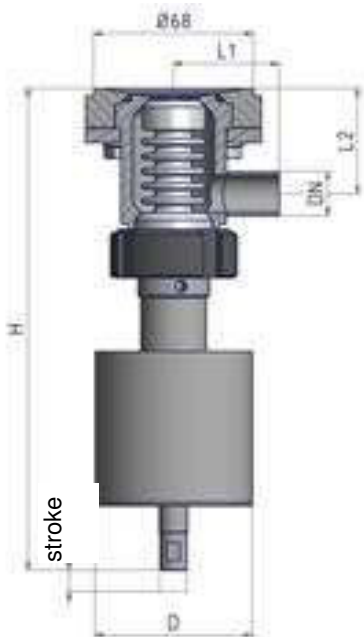
pneumatic – air to open-spring to close NC



DIN	Pipe	D1	DZ	H	L1	L2	Stroke
10	13 x 1,5	75	64	205	45	61	10
15	19 x 1,5	75	64	205	46	58	10
20	23 x 1,5	75	64	205	48	57	10

Aseptic Bottom Seat Valve 90°

pneumatic – air to open-spring to close NC



DIN	Pipe	D1	DZ	H	L1	L2	Stroke
10	13 x 1,5	75	64	205	45	48,5	10
15	19 x 1,5	75	64	205	45	45,5	10
20	23 x 1,5	75	64	205	45	43,5	10



Aseptic Bottom Seat Valve 30°

pneumatic – air to open-spring to close NC

PTFE bellows

DIN	Reference Number
10	40701.2000.05.0001.32
15	40701.2000.05.0002.32
20	40701.2000.05.0003.32

Prices without weld-in flange - upon request with rinsing inlet against surcharge
see page 57

Aseptic Bottom Seat Valve 90°

pneumatic – air to open-spring to close NC

PTFE bellows

DIN	Reference Number
10	40701.2010.05.0001.32
15	40701.2010.05.0002.32
20	40701.2010.05.0003.32

Prices without weld-in flange - upon request with rinsing inlet against surcharge
see page 57

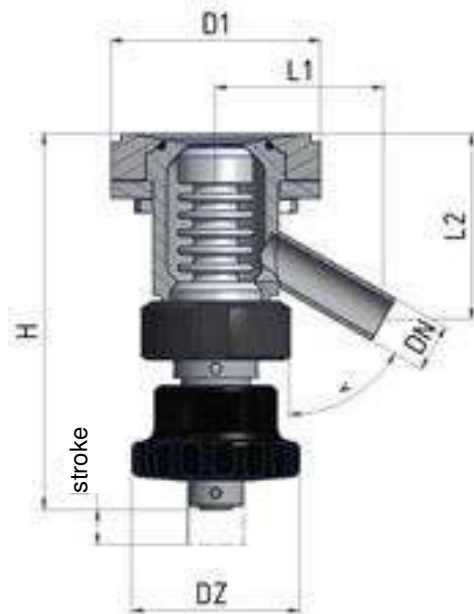


Aseptic Valves



Aseptic Bottom Seat Valve 30°

manual with plastic hand wheel

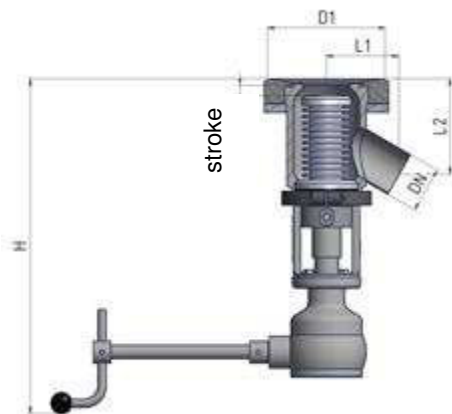


DIN	Pipe	D1	DZ	H	L1	L2	Stroke
-----	------	----	----	---	----	----	--------

10	13 x 1,5	75	64	140	45	61	10
15	19 x 1,5	75	64	140	46	58	10
20	23 x 1,5	75	64	140	48	57	10

Aseptic Bottom Seat Valve 30°

manual with bevel gear drive



DN	Pipe	D1	Stroke	H	L1	L2	kg
----	------	----	--------	---	----	----	----

25	29 x 1,5	108	14	335	60	68,5	6,1
40	41 x 1,5	133	14	345	70	73,5	7,6
50	53 x 1,5	146	20	395	80	94	9,5
65	70 x 2	173	22	420	95	112,5	12,7
80	85 x 2	186	30	455	105	124	17,0
100	104 x 2	217	32	500	120	155	19,9
1"	25,4 x 1,65	108	14	335	60	68,5	6,1
1 1/2"	38,1 x 1,65	133	14	345	70	73,5	7,6
2"	50,8 x 1,65	146	20	395	80	94	9,5
2 1/2"	63,5 x 1,65	173	22	420	95	112,5	12,7
3"	76,2 x 1,65	186	30	455	105	124	17,0
4"	101,6 x 2,11	217	32	500	120	155	19,9

In case of order we request dimension of handle extension.



Aseptic Bottom Seat Valve 30°

manual with plastic hand wheel

PTFE bellows

DIN	Reference Number
10	40704.2000.05.0001.32
15	40704.2000.05.0002.32
20	40704.2000.05.0003.32

Prices without weld-in flange - upon request with rinsing inlet against surcharge
see page 57

Aseptic Bottom Seat Valve 30°

manual with bevel gear drive

PTFE bellows

Metal bellows

DN	Reference Number	Reference Number
25	40750.2000.05.0004.32	40750.3000.01.0004.32
40	40750.2000.05.0006.32	40750.3000.01.0006.32
50	40750.2000.05.0007.32	40750.3000.01.0007.32
65	40750.2000.05.0008.32	40750.3000.01.0008.32
80	40750.2000.05.0009.32	40750.3000.01.0009.32
100	40750.2000.05.0010.32	40750.3000.01.0010.32
1"	40750.2000.05.0024.32	40750.3000.01.0024.32
1 1/2"	40750.2000.05.0026.32	40750.3000.01.0026.32
2"	40750.2000.05.0027.32	40750.3000.01.0027.32
2 1/2"	40750.2000.05.0028.32	40750.3000.01.0028.32
3"	40750.2000.05.0029.32	40750.3000.01.0029.32
4"	40750.2000.05.0030.32	40750.3000.01.0030.32

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge
see page 57

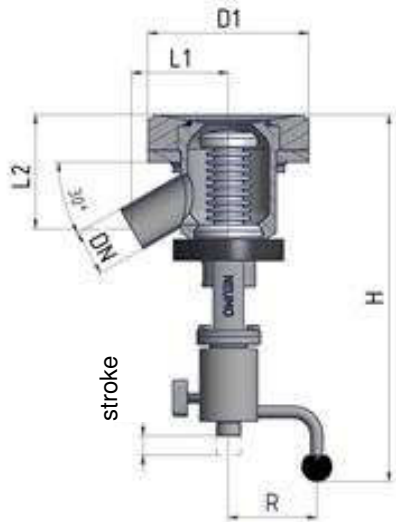


Aseptic Valves



Aseptic Bottom Seat Valve 30°

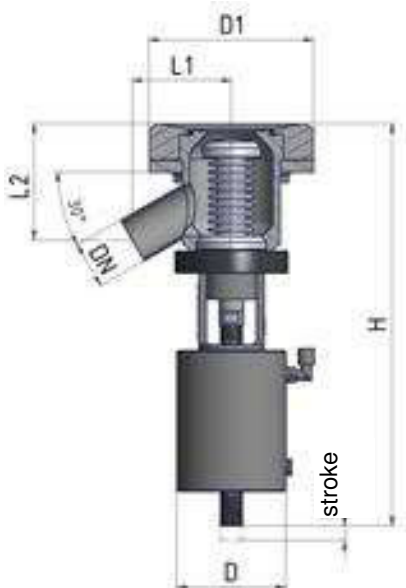
manual with crank handle



DN	Pipe	D1	R	H	L1	L2	Stroke	kg
25	29 x 1,5	108	73	320	65	82,5	14	3,7
40	41 x 1,5	133	73	330	80	94	14	6,4
50	53 x 1,5	146	90	420	85	110,5	20	8,3
65	70 x 2	173	90	450	100	132,5	22	9,4
80	85 x 2	186	90	475	115	146	30	12,6
100	104 x 2	217	90	520	150	188	32	14,7
1"	25,4 x 1,65	108	73	320	65	82,5	14	3,7
1 1/2"	38,1 x 1,65	133	73	330	80	94	14	6,4
2"	50,8 x 1,65	146	90	420	85	110,5	20	8,3
2 1/2"	63,5 x 1,65	173	90	450	100	132,5	22	9,4
3"	76,2 x 1,65	186	90	475	115	146	30	12,6
4"	101,6x2,11	217	90	520	150	188	32	14,7

Aseptic Bottom Seat Valve 30°

pneumatic – air to open-spring to close NC



DN	Pipe	D1	DZ	H	L1	L2	Stroke	kg
25	29 x 1,5	108	90	315	65	82,5	14	5,7
40	41 x 1,5	133	90	330	80	94	14	7,3
50	53 x 1,5	146	110	399	85	110,5	20	13,0
65	70 x 2	173	133	466	100	132,5	22	16,6
80	85 x 2	186	160	529	115	146	30	27,0
100	104 x 2	217	168	572	150	188	32	29,0
1"	25,4 x 1,65	108	90	315	65	82,5	14	5,7
1 1/2"	38,1 x 1,65	133	90	330	80	94	14	7,3
2"	50,8 x 1,65	146	110	399	85	110,5	20	13,0
2 1/2"	63,5 x 1,65	173	133	466	100	132,5	22	16,6
3"	76,2 x 1,65	186	160	529	115	146	30	27,0
4"	101,6x2,11	217	168	572	150	188	32	29,0



Aseptic Bottom Seat Valve 30°

manual with crank handle

DN	PTFE bellows		Metal bellows	
	Reference Number		Reference Number	
25	40740.2000.05.0004.32		40740.3000.01.0004.32	
40	40740.2000.05.0006.32		40740.3000.01.0006.32	
50	40740.2000.05.0007.32		40740.3000.01.0007.32	
65	40740.2000.05.0008.32		40740.3000.01.0008.32	
80	40740.2000.05.0009.32		40740.3000.01.0009.32	
100	40740.2000.05.0010.32		40740.3000.01.0010.32	
1"	40740.2000.05.0024.32		40740.3000.01.0024.32	
1 1/2"	40740.2000.05.0026.32		40740.3000.01.0026.32	
2"	40740.2000.05.0027.32		40740.3000.01.0027.32	
2 1/2"	40740.2000.05.0028.32		40740.3000.01.0028.32	
3"	40740.2000.05.0029.32		40740.3000.01.0029.32	
4"	40740.2000.05.0030.32		40740.3000.01.0030.32	

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge see page 57

Aseptic Bottom Seat Valve 30°

pneumatic – air to open-spring to close NC

DN	PTFE bellows		Metal bellows	
	Reference Number		Reference Number	
25	40710.2000.05.0004.32		40710.3000.01.0004.32	
40	40710.2000.05.0006.32		40710.3000.01.0006.32	
50	40710.2000.05.0007.32		40710.3000.01.0007.32	
65	40710.2000.05.0008.32		40710.3000.01.0008.32	
80	40710.2000.05.0009.32		40710.3000.01.0009.32	
100	40710.2000.05.0010.32		40710.3000.01.0010.32	
1"	40710.2000.05.0024.32		40710.3000.01.0024.32	
1 1/2"	40710.2000.05.0026.32		40710.3000.01.0026.32	
2"	40710.2000.05.0027.32		40710.3000.01.0027.32	
2 1/2"	40710.2000.05.0028.32		40710.3000.01.0028.32	
3"	40710.2000.05.0029.32		40710.3000.01.0029.32	
4"	40710.2000.05.0030.32		40710.3000.01.0030.32	

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge see page 57

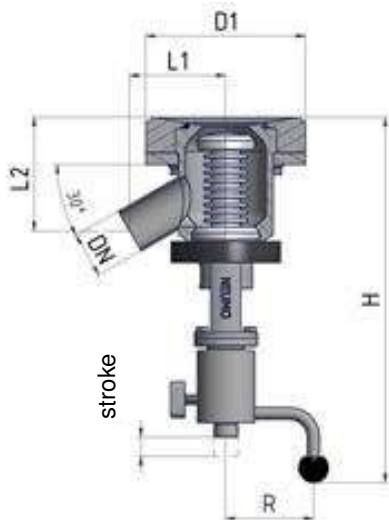


Aseptic Valves



Aseptic Bottom Seat Valve 30° ISO

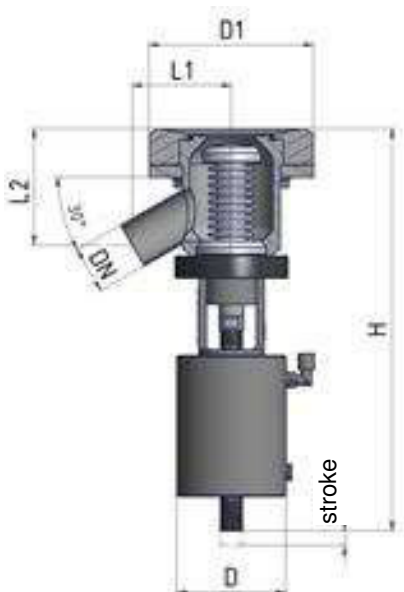
manual with crank handle



ISO	Pipe	D1	R	H	L1	L2	Stroke	kg
20	26,9 x 1,6	108	73	320	65	86	14	3,6
25	33,7 x 2	108	73	320	65	83	14	6,3
40	48,3 x 2	146	90	420	85	113	20	8,2
50	60,3 x 2	146	90	420	85	106	20	9,3
65	76,2 x 2,3	173	90	450	100	129,5	22	12,5
80	88,9 x 2,3	186	90	475	115	144	30	14,6
100	114,3 x 2,6	217	90	520	150	183	32	a.A.

Aseptic Bottom Seat Valve 30° ISO

pneumatic – air to open-spring to close NC



ISO	Pipe	D1	DZ	H	L1	L2	Stroke	kg
20	26,9 x 1,6	108	90	310	65	86	14	5,6
25	33,7 x 2	108	90	310	65	83	14	7,2
40	48,3 x 2	146	110	380	85	113	20	12,5
50	60,3 x 2	146	110	380	85	106	20	16,5
65	76,2 x 2,3	173	133	446	100	129,5	22	26,9
80	88,9 x 2,3	186	160	480	115	144	30	28,8
100	114,3 x 2,6	217	168	570	150	183	32	a.A.



Aseptic Valves



Aseptic Bottom Seat Valve 30° ISO

manual with crank handle

ISO	PTFE bellows		Metal bellows	
	Reference Number		Reference Number	
20	40740.2000.05.0043.32		40740.3000.01.0043.32	
25	40740.2000.05.0044.32		40740.3000.01.0044.32	
40	40740.2000.05.0046.32		40740.3000.01.0046.32	
50	40740.2000.05.0047.32		40740.3000.01.0047.32	
65	40740.2000.05.0048.32		40740.3000.01.0048.32	
80	40740.2000.05.0049.32		40740.3000.01.0049.32	
100	40740.2000.05.0050.32		40740.3000.01.0050.32	

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge see page 57

Aseptic Bottom Seat Valve 30° ISO

pneumatic – air to open-spring to close NC

ISO	PTFE bellows		Metal bellows	
	Reference Number		Reference Number	
20	40710.2000.05.0043.32		40710.3000.01.0043.32	
25	40710.2000.05.0044.32		40710.3000.01.0044.32	
40	40710.2000.05.0046.32		40710.3000.01.0046.32	
50	40710.2000.05.0047.32		40710.3000.01.0047.32	
65	40710.2000.05.0048.32		40710.3000.01.0048.32	
80	40710.2000.05.0049.32		40710.3000.01.0049.32	
100	40710.2000.05.0050.32		40710.3000.01.0050.32	

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge see page 57

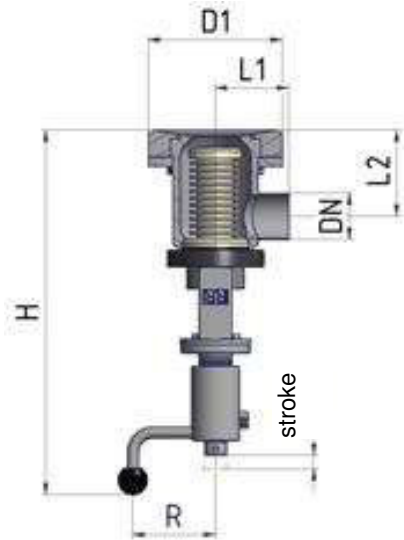


Aseptic Valves



Aseptic Bottom Seat Valve 90°

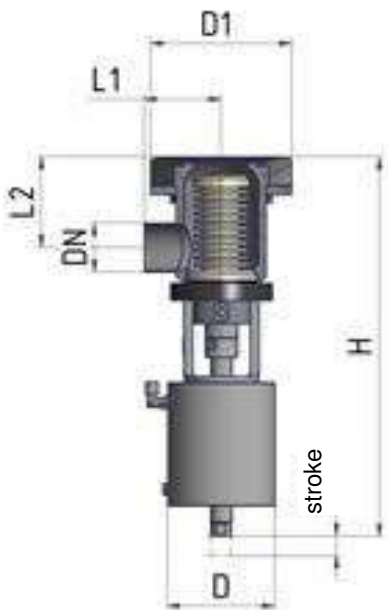
manual with crank handle



DN	Pipe	D1	R	H	L1	L2	Stroke	kg
25	29 x 1,5	108	73	320	60	68,5	14	3,7
40	41 x 1,5	133	73	330	70	73,5	14	6,4
50	53 x 1,5	146	90	420	80	94	20	8,3
65	70 x 2	173	90	450	95	112,5	25	9,4
80	85 x 2	186	90	475	105	124	33	12,6
100	104 x 2	217	90	520	120	155	35	14,7
1"	25,4 x 1,65	108	73	320	60	68,5	14	3,7
1 1/2"	38,1 x 1,65	133	73	330	70	73,5	14	6,4
2"	50,8 x 1,65	146	90	420	80	94	20	8,3
2 1/2"	63,5 x 1,65	173	90	450	95	112,5	25	9,4
3"	76,2 x 1,65	186	90	475	105	124	33	12,6
4"	101,6x2,11	217	90	520	120	155	35	14,7

Aseptic Bottom Seat Valve 90°

pneumatic – air to open-spring to close NC



DN	Pipe	D1	DZ	H	L1	L2	Stroke	kg
25	29 x 1,5	108	90	315	60	68,5	14	5,7
40	41 x 1,5	133	90	330	70	73,5	14	7,3
50	53 x 1,5	146	110	399	80	94	20	13,0
65	70 x 2	173	133	466	95	112,5	22	16,6
80	85 x 2	186	160	529	105	124	30	27,0
100	104 x 2	217	168	572	120	155	32	29,0
1"	25,4 x 1,65	108	90	315	60	68,5	14	5,7
1 1/2"	38,1 x 1,65	133	90	330	70	73,5	14	7,3
2"	50,8 x 1,65	146	110	399	80	94	20	13,0
2 1/2"	63,5 x 1,65	173	133	466	95	112,5	22	16,6
3"	76,2 x 1,65	186	160	529	105	124	30	27,0
4"	101,6x2,11	217	168	572	120	155	32	29,0



Aseptic Bottom Seat Valve 90°

manual with crank handle

DN	PTFE bellows		Metal bellows	
	Reference Number		Reference Number	
25	40740.2010.05.0004.32		40740.3010.01.0004.32	
40	40740.2010.05.0006.32		40740.3010.01.0006.32	
50	40740.2010.05.0007.32		40740.3010.01.0007.32	
65	40740.2010.05.0008.32		40740.3010.01.0008.32	
80	40740.2010.05.0009.32		40740.3010.01.0009.32	
100	40740.2010.05.0010.32		40740.3010.01.0010.32	
1"	40740.2010.05.0024.32		40740.3010.01.0024.32	
1 1/2"	40740.2010.05.0026.32		40740.3010.01.0026.32	
2"	40740.2010.05.0027.32		40740.3010.01.0027.32	
2 1/2"	40740.2010.05.0028.32		40740.3010.01.0028.32	
3"	40740.2010.05.0029.32		40740.3010.01.0029.32	
4"	40740.2010.05.0030.32		40740.3010.01.0030.32	

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge see page 57

Aseptic Bottom Seat Valve 90°

pneumatic – air to open-spring to close NC

DN	PTFE bellows		Metal bellows	
	Reference Number		Reference Number	
25	40710.2010.05.0004.32		40710.3010.01.0004.32	
40	40710.2010.05.0006.32		40710.3010.01.0006.32	
50	40710.2010.05.0007.32		40710.3010.01.0007.32	
65	40710.2010.05.0008.32		40710.3010.01.0008.32	
80	40710.2010.05.0009.32		40710.3010.01.0009.32	
100	40710.2010.05.0010.32		40710.3010.01.0010.32	
1"	40710.2010.05.0024.32		40710.3010.01.0024.32	
1 1/2"	40710.2010.05.0026.32		40710.3010.01.0026.32	
2"	40710.2010.05.0027.32		40710.3010.01.0027.32	
2 1/2"	40710.2010.05.0028.32		40710.3010.01.0028.32	
3"	40710.2010.05.0029.32		40710.3010.01.0029.32	
4"	40710.2010.05.0030.32		40710.3010.01.0030.32	

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge see page 57

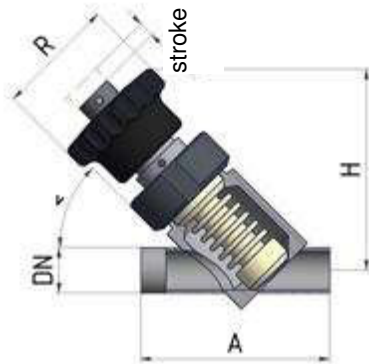


Aseptic Valves



Aseptic Inclined Seat Valve

manual with plastic hand wheel

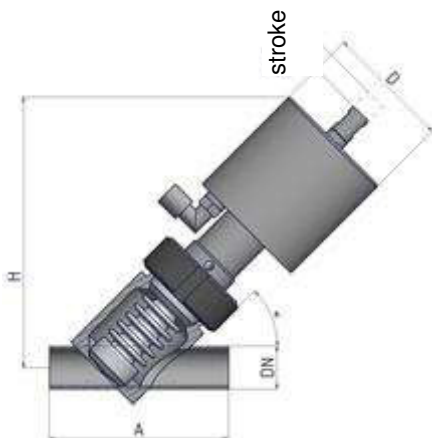


DIN	Pipe	A	<	R	H	Stroke
10	see BioCheck angular seat valve chapter 6					
15	19 x 1,5	117	45°	66	103	10
20	23 x 1,5	95	45°	66	103	10

DN 15 = excentrically reduced DN 20/15

Aseptic Inclined Seat Valve

pneumatic – air to open-spring to close NC



DIN	Pipe	A	<	D	H	Stroke
10	see BioCheck angular seat valve chapter 6					
15	19 x 1,5	117	45°	64	145	10
20	23 x 1,5	95	45°	64	145	10

DN 15 = excentrically reduced DN 20/15

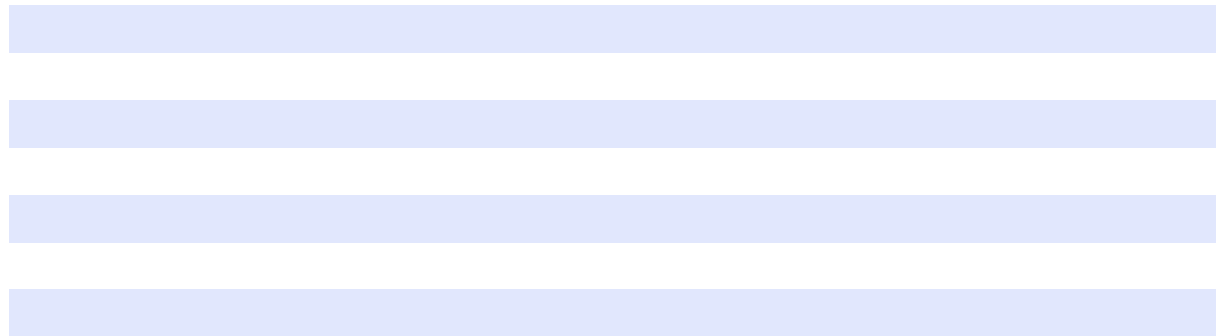


Aseptic Inclined Seat Valve

manual with plastic hand wheel

PTFE bellows

DIN	Reference Number
10	see BioCheck angular seat valve chapter 6
15	40504.2000.05.0002.32
20	40504.2000.05.0003.32

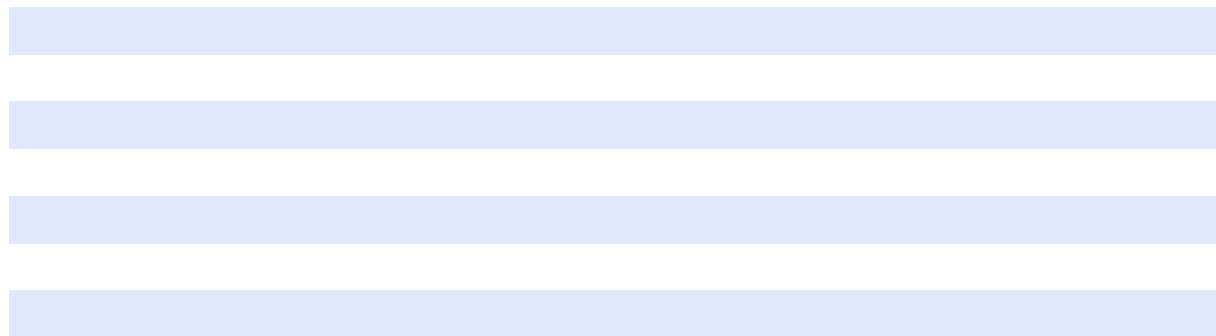


Aseptic Inclined Seat Valve

pneumatic – air to open-spring to close NC

PTFE bellows

DIN	Reference Number
10	see BioCheck angular seat valve chapter 6
15	40501.2000.05.0002.32
20	40501.2000.05.0003.32



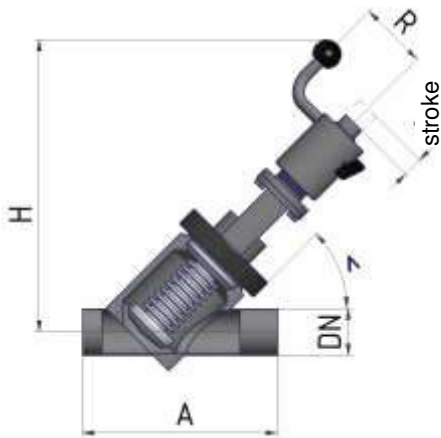


Aseptic Valves



Aseptic Inclined Seat Valve

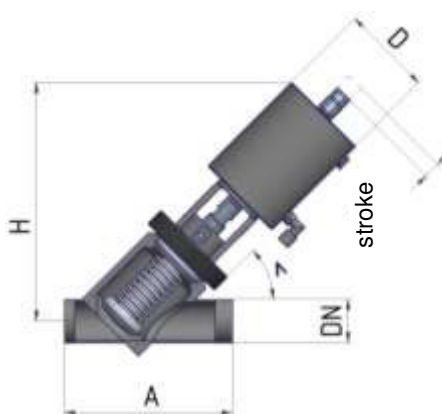
manual with crank handle



DN	Pipe	A	<	R	H	Stroke	kg
25	29 x 1,5	140	45°	73	275	14	5,0
40	41 x 1,5	170	45°	73	280	14	5,5
50	53 x 1,5	205	45°	90	355	20	10,5
65	70 x 2	250	40°	90	350	22	14,0
80	85 x 2	300	40°	90	365	30	23,0
100	104 x 2	350	40°	90	390	32	26,0
1"	25,4 x 1,65	140	45°	73	275	14	5,0
1 1/2"	38,1 x 1,65	170	45°	73	280	14	5,5
2"	50,8 x 1,65	205	45°	90	355	20	10,5
2 1/2"	63,5 x 1,65	250	40°	90	350	22	14,0
3"	76,2 x 1,65	300	40°	90	365	30	23,0
4"	101,6 x 2,11	350	40°	90	390	32	26,0

Aseptic Inclined Seat Valve

pneumatic – air to open-spring to close NC



DN	Pipe	A	<	D	H	Stroke	kg
25	29 x 1,5	140	45°	90	235	14	5,4
40	41 x 1,5	170	45°	90	240	14	6,2
50	53 x 1,5	205	45°	110	294	20	11,0
65	70 x 2	250	40°	133	325	22	15,0
80	85 x 2	300	40°	160	384	30	24,5
100	104 x 2	350	40°	168	392	32	28,0
1"	25,4 x 1,65	140	45°	90	235	14	5,4
1 1/2"	38,1 x 1,65	170	45°	90	240	14	6,2
2"	50,8 x 1,65	205	45°	110	294	20	11,0
2 1/2"	63,5 x 1,65	250	40°	133	325	22	15,0
3"	76,2 x 1,65	300	40°	160	384	30	24,5
4"	101,6 x 2,11	350	40°	168	392	32	28,0



Aseptic Inclined Seat Valve

manual with crank handle

PTFE bellows		Metal bellows
DN	Reference Number	Reference Number
25	40540.2000.05.0004.32	40540.3000.01.0004.32
40	40540.2000.05.0006.32	40540.3000.01.0006.32
50	40540.2000.05.0007.32	40540.3000.01.0007.32
65	40540.2000.05.0008.32	40540.3000.01.0008.32
80	40540.2000.05.0009.32	40540.3000.01.0009.32
100	40540.2000.05.0010.32	40540.3000.01.0010.32
1"	40540.2000.05.0024.32	40540.3000.01.0024.32
1 1/2"	40540.2000.05.0026.32	40540.3000.01.0026.32
2"	40540.2000.05.0027.32	40540.3000.01.0027.32
2 1/2"	40540.2000.05.0028.32	40540.3000.01.0028.32
3"	40540.2000.05.0029.32	40540.3000.01.0029.32
4"	40540.2000.05.0030.32	40540.3000.01.0030.32

Aseptic Inclined Seat Valve

pneumatic – air to open-spring to close NC

PTFE bellows		Metal bellows
DN	Reference Number	Reference Number
25	40510.2000.05.0004.32	40510.3000.01.0004.32
40	40510.2000.05.0006.32	40510.3000.01.0006.32
50	40510.2000.05.0007.32	40510.3000.01.0007.32
65	40510.2000.05.0008.32	40510.3000.01.0008.32
80	40510.2000.05.0009.32	40510.3000.01.0009.32
100	40510.2000.05.0010.32	40510.3000.01.0010.32
1"	40510.2000.05.0024.32	40510.3000.01.0024.32
1 1/2"	40510.2000.05.0026.32	40510.3000.01.0026.32
2"	40510.2000.05.0027.32	40510.3000.01.0027.32
2 1/2"	40510.2000.05.0028.32	40510.3000.01.0028.32
3"	40510.2000.05.0029.32	40510.3000.01.0029.32
4"	40510.2000.05.0030.32	40510.3000.01.0030.32

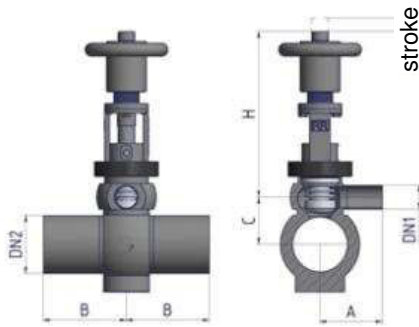


Aseptic Valves



Aseptic Sampling Valve - piggable

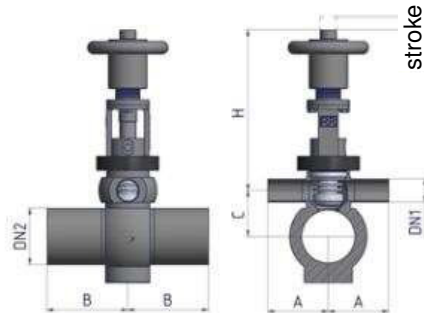
manual with hand wheel



DN1	DN2	A	B	C	H	Stroke	DN1	DN2
25	25	50	50	37	207	7	29 x 1,5	29 x 1,5
25	40	50	60	43	207	7	29 x 1,5	41 x 1,5
25	50	50	80	49	207	7	29 x 1,5	53 x 1,5
25	65	50	100	57	207	7	29 x 1,5	70 x 2
25	80	50	125	54,5	207	7	29 x 1,5	85 x 2
40	40	60	60	46	215	9	41 x 1,5	41 x 1,5
40	50	60	80	52	215	9	41 x 1,5	53 x 1,5
40	65	60	100	60	215	9	41 x 1,5	70 x 2
40	80	60	125	67,5	215	9	41 x 1,5	85 x 2
50	50	80	80	60	326	12	53 x 1,5	53 x 1,5
50	65	80	100	66	326	12	53 x 1,5	70 x 2
50	80	80	125	73,5	326	12	53 x 1,5	85 x 2
50	100	80	150	83	326	12	53 x 1,5	104x2

Aseptic Straight-Way Valve - piggable

manual with hand wheel – with rinsing inlet



DN1	DN2	A	B	C	H	Stroke	DN1	DN2
25	25	50	50	37	207	7	29 x 1,5	29 x 1,5
25	40	50	60	43	207	7	29 x 1,5	41 x 1,5
25	50	50	80	49	207	7	29 x 1,5	53 x 1,5
25	65	50	100	57	207	7	29 x 1,5	70 x 2
25	80	50	125	54,5	207	7	29 x 1,5	85 x 2
40	40	60	60	46	215	9	41 x 1,5	41 x 1,5
40	50	60	80	52	215	9	41 x 1,5	53 x 1,5
40	65	60	100	60	215	9	41 x 1,5	70 x 2
40	80	60	125	67,5	215	9	41 x 1,5	85 x 2
50	50	80	80	60	326	12	53 x 1,5	53 x 1,5
50	65	80	100	66	326	12	53 x 1,5	70 x 2
50	80	80	125	73,5	326	12	53 x 1,5	85 x 2
50	100	80	150	83	326	12	53 x 1,5	104x2



Aseptic Sampling Valve - piggable

manual with hand wheel – PTFE bellows

DN1/DN2	Reference Number
25/25	40642.2020.05.0404.32
25/40	40642.2020.05.0406.32
25/50	40642.2020.05.0407.32
25/65	40642.2020.05.0408.32
25/80	40642.2020.05.0409.32
40/40	40642.2020.05.0606.32
40/50	40642.2020.05.0607.32
40/65	40642.2020.05.0608.32
40/80	40642.2020.05.0609.32
50/50	40642.2020.05.0707.32
50/65	40642.2020.05.0708.32
50/80	40642.2020.05.0709.32
50/100	40642.2020.05.0710.32

Aseptic Straight-Way Valve - piggable

manual with hand wheel - PTFE bellows

DN1/DN2	Reference Number
25/25	40642.2040.05.0404.32
25/40	40642.2040.05.0406.32
25/50	40642.2040.05.0407.32
25/65	40642.2040.05.0408.32
25/80	40642.2040.05.0409.32
40/40	40642.2040.05.0606.32
40/50	40642.2040.05.0607.32
40/65	40642.2040.05.0608.32
40/80	40642.2040.05.0609.32
50/50	40642.2040.05.0707.32
50/65	40642.2040.05.0708.32
50/80	40642.2040.05.0709.32
50/100	40642.2040.05.0710.32

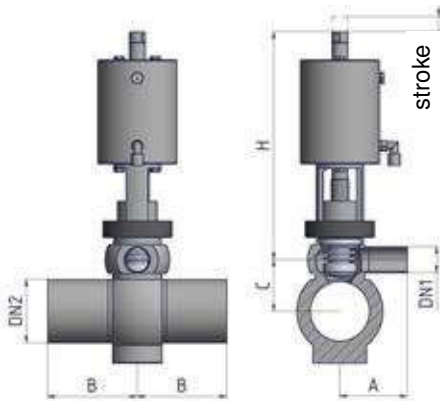


Aseptic Valves



Aseptic Sampling Valve - piggable

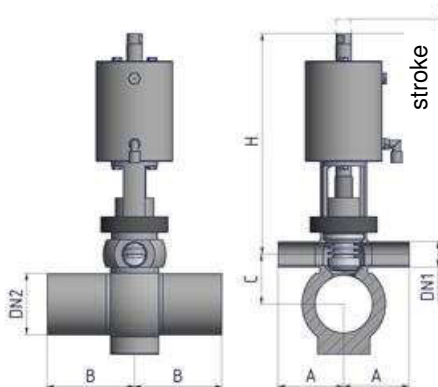
pneumatic – air to open-spring to close NC



DN1	DN2	A	B	C	H	Stroke	DN1	DN2
25	25	50	50	37	255	7	29 x 1,5	29 x 1,5
25	40	50	60	43	255	7	29 x 1,5	41 x 1,5
25	50	50	80	49	255	7	29 x 1,5	53 x 1,5
25	65	50	100	57	255	7	29x 1,5	70 x 2
25	80	50	125	54,5	255	7	29 x 1,5	85 x 2
40	40	60	60	46	262	9	41 x 1,5	41 x 1,5
40	50	60	80	52	262	9	41 x 1,5	53 x 1,5
40	65	60	100	60	262	9	41 x 1,5	70 x 2
40	80	60	125	67,5	262	9	41 x 1,5	85 x 2
50	50	80	80	60	314	12	53 x 1,5	53 x 1,5
50	65	80	100	66	314	12	53 x 1,5	70 x 2
50	80	80	125	73,5	314	12	53 x 1,5	85 x 2
50	100	80	150	83	314	12	53 x 1,5	104x2

Aseptic Straight-Way Valve - piggable

pneumatic – air to open-spring to close NC – with rinsing inlet



DN1	DN2	A	B	C	H	Stroke	DN1	DN2
25	25	50	50	37	255	7	29 x 1,5	29 x 1,5
25	40	50	60	43	255	7	29 x 1,5	41 x 1,5
25	50	50	80	49	255	7	29 x 1,5	53 x 1,5
25	65	50	100	57	255	7	29x 1,5	70 x 2
25	80	50	125	54,5	255	7	29 x 1,5	85 x 2
40	40	60	60	46	262	9	41 x 1,5	41 x 1,5
40	50	60	80	52	262	9	41 x 1,5	53 x 1,5
40	65	60	100	60	262	9	41 x 1,5	70 x 2
40	80	60	125	67,5	262	9	41 x 1,5	85 x 2
50	50	80	80	60	314	12	53 x 1,5	53 x 1,5
50	65	80	100	66	314	12	53 x 1,5	70 x 2
50	80	80	125	73,5	314	12	53 x 1,5	85 x 2
50	100	80	150	83	314	12	53 x 1,5	104x2



Aseptic Sampling Valve - piggable

pneumatic – air to open-spring to close NC – PTFE bellows

DN1/DN2	Reference Number
25/25	40610.2020.05.0404.32
25/40	40610.2020.05.0406.32
25/50	40610.2020.05.0407.32
25/65	40610.2020.05.0408.32
25/80	40610.2020.05.0409.32
40/40	40610.2020.05.0606.32
40/50	40610.2020.05.0607.32
40/65	40610.2020.05.0608.32
40/80	40610.2020.05.0609.32
50/50	40610.2020.05.0707.32
50/65	40610.2020.05.0708.32
50/80	40610.2020.05.0709.32
50/100	40610.2020.05.0710.32

Aseptic Straight-Way Valve - piggable

pneumatic – air to open-spring to close NC – PTFE bellows

DN1/DN2	Reference Number
25/25	40610.2040.05.0404.32
25/40	40610.2040.05.0406.32
25/50	40610.2040.05.0407.32
25/65	40610.2040.05.0408.32
25/80	40610.2040.05.0409.32
40/40	40610.2040.05.0606.32
40/50	40610.2040.05.0607.32
40/65	40610.2040.05.0608.32
40/80	40610.2040.05.0609.32
50/50	40610.2040.05.0707.32
50/65	40610.2040.05.0708.32
50/80	40610.2040.05.0709.32
50/100	40610.2040.05.0710.32

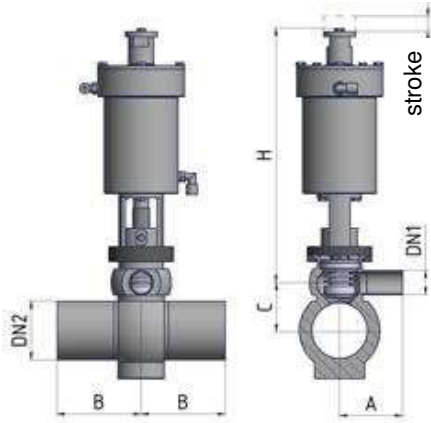


Aseptic Valves



Aseptic Sampling Valve - piggable

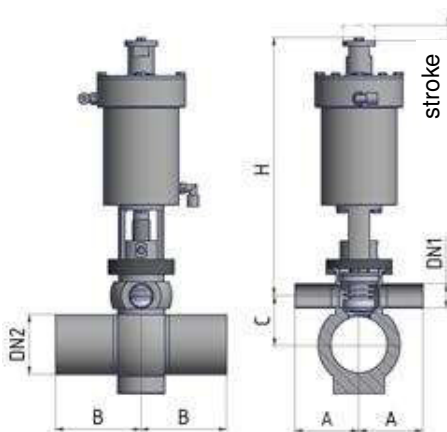
pneumatic – air to open-spring to close NC – three-position actuator



DN1	DN2	E	F	Stroke	DN1	DN2
15	25	100	38	5	19 x 1,5	29 x 1,5
15	40	120	41,5	5	19 x 1,5	41 x 1,5
15	50	140	47,5	5	19 x 1,5	53 x 1,5
15	65	160	56	5	19x 1,5	70 x 2
15	80	180	64,5	5	19 x 1,5	85 x 2
15	100	200	73	5	19 x 1,5	104 x 2

Aseptic Straight-Way Valve - piggable

pneumatic – air to open-spring to close NC - three-position actuator – rinsing inlet



DN1	DN2	E	F	Stroke	DN1	DN2
15	25	100	38	5	19 x 1,5	29 x 1,5
15	40	120	41,5	5	19 x 1,5	41 x 1,5
15	50	140	47,5	5	19 x 1,5	53 x 1,5
15	65	160	56	5	19x 1,5	70 x 2
15	80	180	64,5	5	19 x 1,5	85 x 2
15	100	200	73	5	19 x 1,5	104 x 2



Aseptic Sampling Valve - piggable

pneumatic – air to open-spring to close NC – three-position actuator - PTFE bellows

DN1/DN2	Reference Number
15/25	40671.2020.05.0204.32
15/40	40671.2020.05.0206.32
15/50	40671.2020.05.0207.32
15/65	40671.2020.05.0208.32
15/80	40671.2020.05.0209.32
15/100	40671.2020.05.0210.32

Aseptic Straight-Way Valve - piggable

pneumatic – air to open-spring to close NC – three-position actuator - PTFE bellows

DN1/DN2	Reference Number
15/25	40671.2040.05.0204.32
15/40	40671.2040.05.0206.32
15/50	40671.2040.05.0207.32
15/65	40671.2040.05.0208.32
15/80	40671.2040.05.0209.32
15/100	40671.2040.05.0210.32

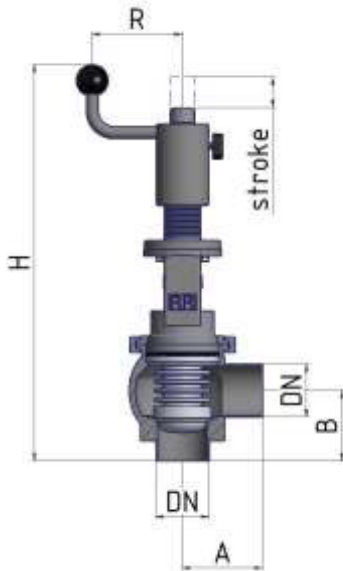


Aseptic Valves



Aseptic Regulating Right Angle Valve

manual with crank handle

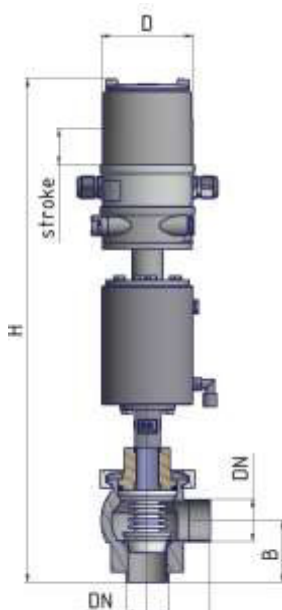


DN	Pipe	A	B	R	H	Stroke	kg
25	29 x 1,5	50	50	73	310	7	3,1
40	41 x 1,5	60	60	73	330	10	5,3
50	53 x 1,5	80	70	90	400	12	5,7
65	70 x 2	100	80	90	415	16	7,6
80	85 x 2	125	90	90	445	18	10,3
100	104 x 2	150	100	90	465	23	14,3
1"	25,4 x 1,65					7	3,1
1 1/2"	38,1 x 1,65	In case of order				9	5,3
2"	50,8 x 1,65	you get a 3D step file				12	5,7
2 1/2"	63,5 x 1,65	for your design department.				15	7,6
3"	76,2 x 1,65					18	10,3
4"	101,6 x 2,11					23	14,3

In case of order, details to working conditions are required like media, viscosity, temperature, incoming and outgoing pressure resp. pressure loss and flow quantity.

Aseptic Regulating Right Angle Valve

pneumatic – air to open-spring to close NC – PTFE bellows - for **Bürkert positioner**



DN	Pipe	A	B	D	H	stroke	kg
25	29 x 1,5	50	50	90	475	7	5,1
40	41 x 1,5	60	60	90	505	10	6,2
50	53 x 1,5	80	70	110	560	12	10,4
65	70 x 2	100	80	133	610	16	15,2
80	85 x 2	125	90	172	655	18	24,7
100	104 x 2	150	100	172	840	23	28,6
1"	25,4 x 1,65					7	5,1
1 1/2"	38,1 x 1,65	In case of order				9	6,2
2"	50,8 x 1,65	you get a 3D step file				12	10,4
2 1/2"	63,5 x 1,65	for your design department.				16	15,2
3"	76,2 x 1,65					18	24,7
4"	101,6 x 2,11					23	28,6

Weights without adapter and positioner.



Aseptic Regulating Right Angle Valve

manual with crank handle - wit PTFE bellows

DN	Reference Number
25	41040.2000.05.0004.32
40	41040.2000.05.0006.32
50	41040.2000.05.0007.32
65	41040.2000.05.0008.32
80	41040.2000.05.0009.32
100	41040.2000.05.0010.32
1"	41040.2000.05.0024.32
1 1/2"	41040.2000.05.0026.32
2"	41040.2000.05.0027.32
2 1/2"	41040.2000.05.0028.32
3"	41040.2000.05.0029.32
4"	41040.2000.05.0030.32

In case of order, details to working conditions are required like media, viscosity, temperature, incoming and outcoming pressure resp. pressure loss and flow quantity.

Aseptic Regulating Right Angle Valve

pneumatic – air to open-spring to close NC– PTFE bellows – for Bürkert positioner

DN	Reference Number
25	41010.2000.05.0004.32
40	41010.2000.05.0006.32
50	41010.2000.05.0007.32
65	41010.2000.05.0008.32
80	41010.2000.05.0009.32
100	41010.2000.05.0010.32
1"	41010.2000.05.0024.32
1 1/2"	41010.2000.05.0026.32
2"	41010.2000.05.0027.32
2 1/2"	41010.2000.05.0028.32
3"	41010.2000.05.0029.32
4"	41010.2000.05.0030.32

plus surcharge for adapter and positioner 8692 or 8694 – see chapter 9 control tops



Aseptic Valves



The **RIEGER Aseptic Mix Proof Valve N7** ensures the reliable separation of process lines for liquid products by means of the SIP capable leakage space as well in type „piping“ as in type „tank“. CIP/SIP valves control the steam inlet and outlet in the leakage space.

The outstanding aseptic properties are achieved by **hermetic sealing** from the environment.

A temperature surveyance in the leakage chamber is available upon request.

It is important to note, that the full spring force is applied as well in rest position as when rinsing the valve.

Your advantages

Design	one-piece valve body made from solid bar short design less welding seams few seals in product area
Absolute product protection	safe media separation by leakage space controlled leakage chamber both valve disks are liftable separately
Serviceable maintenance	change of seals without special tools less standing time easy cleaning
Efficiency	long life of the PTFE bellows low maintenance costs with brackets for proximity switches on main actuator



for piping



for tank

Technical Data

Material	in product contact	1.4404/AISI316L
	optional	1.4435/AISI316L
	no product contact	1.4301/AISI304
Seals according to FDA	bellows	PTFE
	O-rings	EPDM

Temperatures maximum	operating temperature	EPDM	PTFE
		130°C* (266 °F)	121°C* (250 °F)
	sterilizing temperature	150°C* (300 °F)	135°C* (275 °F)
		* dependent upon operating conditions	* short-time (approx. 20 min)

Operating pressure	product closing for type piping	max. 6 bar
	type tank	max. 4 bar
	control air pressure	min. 6 bar - max. 10 bar

Surfaces	in product contact	Ra <= 0,8 µm
	non product contact	Ra <=1,6 µm

Connections	DIN 11850-R2 (DIN 11866 A) O.D. tube (DIN 11866 C)
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unique on the market



PTFE bellows with metal cap or with PEEK cap
resistant to granules i.e. fruit yoghurt;
also available for valve tank type

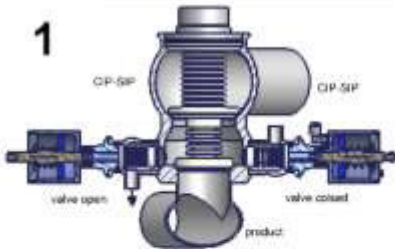


Aseptic Mix Proof Valve N7 for Piping

scheme

aseptic process valve

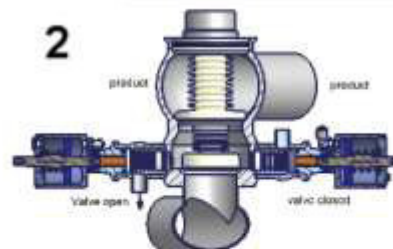
L3 - compressed air connection for cadencing the upper valve disc



1- CIP-cleaning and SIP-sterilization of the upper valve housing including valve seat and safety space - upper valve disc is lifted cycle-wise

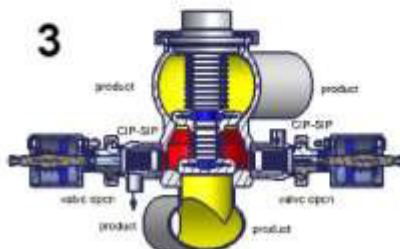
Ventil Zu

L2 - compressed air connection for cadencing the lower valve disc

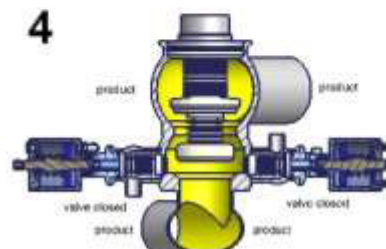


2- CIP-cleaning and SIP-sterilization of the lower valve housing including valve seat and safety space - lower valve disc is lifted cycle-wise

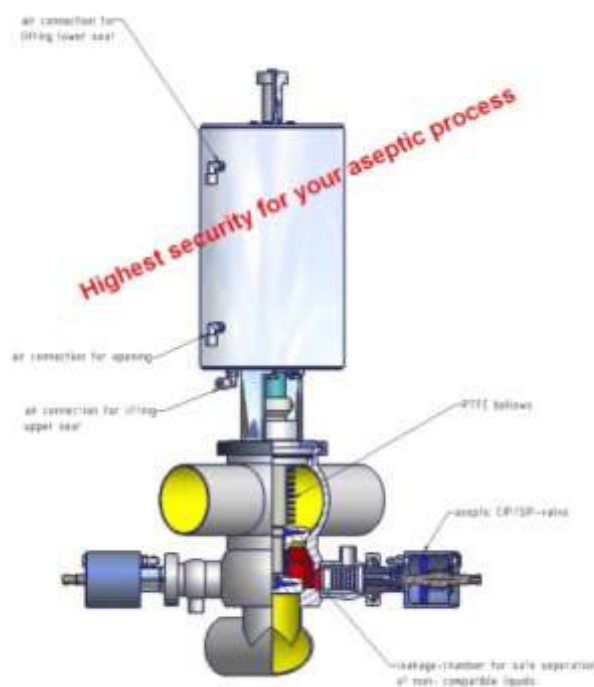
valve open



3- CIP-cleaning and SIP-sterilization of the safety space



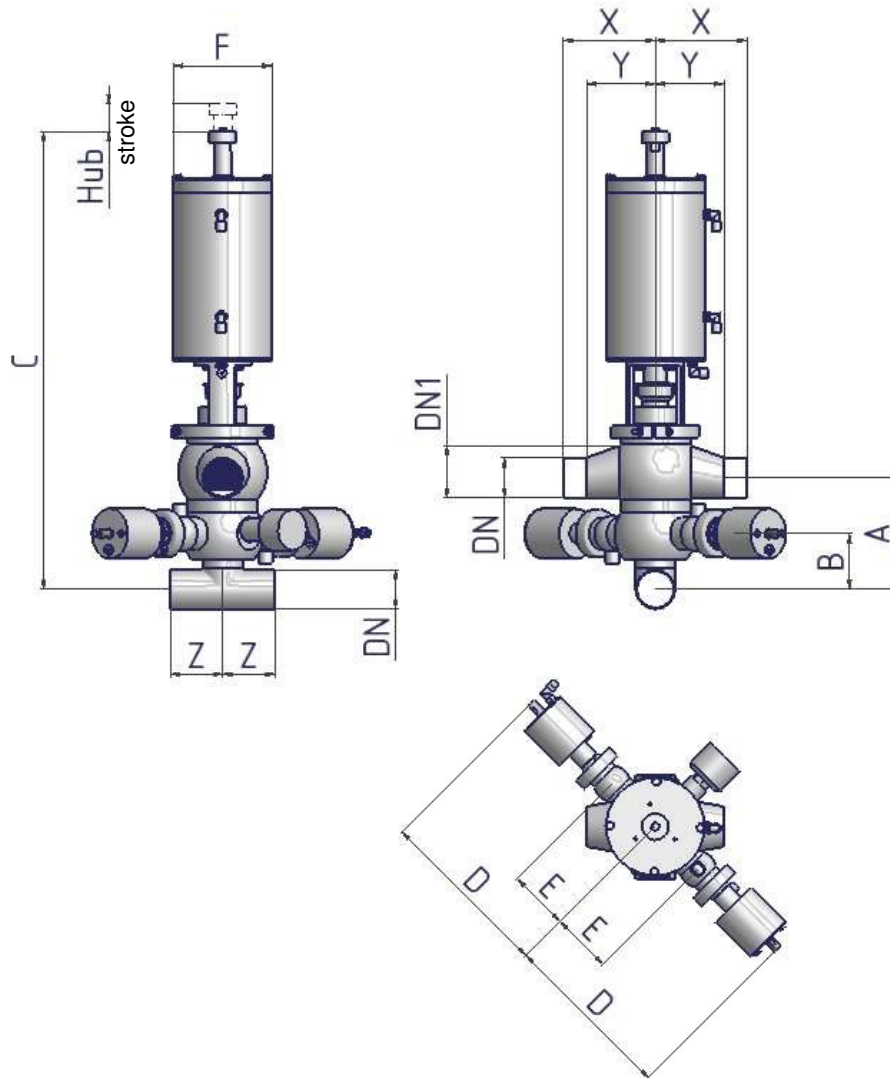
4- compressed air connection for opening both of the valve discs





Aseptic Mix Proof Valve N7 for Piping

Dimensions



X = dimension for clusters (according to customer's request)

DIN	A	B	C	D	E	ØF	(X)	Y	Z	Stroke	DN1	kg
40(41x1,5)	135	72	605	240	75	133	(110)	80	60	16	50	28
50(53x1,5)	150	76	635	245	81	133	(120)	92	70	20	65	29
65(70x2)	170	83	715	255	92	168	(135)	96	80	22	80	31
80(85x2)	180	89	750	265	100	168	(150)	118	90	27	100	

CIP-SIP valves with weld end DN 15 DIN (19 x 1,5)



Aseptic Valves



Aseptic Mix Proof Valve N7 for Piping

pneumatic – air to open-spring to close NC

DIN	PTFE bellows	PTFE bellows/metal cap/EPDM O-rings
	Reference Number	Reference Number
40	30714.2527.05.0606.32	30714.2527.15.0606.32
50	30714.2528.05.0707.32	30714.2528.15.0707.32
65	30714.2529.05.0808.32	30714.2529.15.0808.32
80	30714.2521.05.0909.32	30714.2521.15.0909.32
100		30714.2522.15.1010.32

PTFE bellows/PEEK cap/EPDM O-rings	
DIN	Reference Number
40	30714.2527.95.0606.32
50	30714.2528.95.0707.32
65	30714.2529.95.0808.32
80	30714.2521.95.0909.32
100	30714.2522.95.1010.32

On customer's request, the steam/leakage valves DN 15 DIN (19 x 1,5) are available with PTFE-bellows or with O-ring-sealing in the types „air to open/spring to close“ or „air to close/spring to open“.

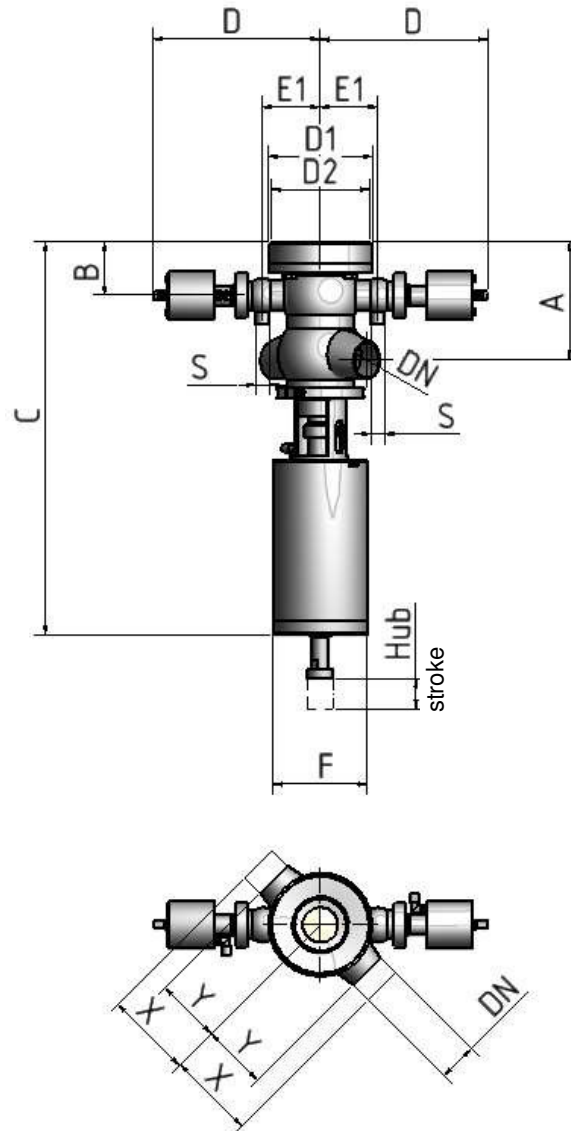
Available versions of CIP valves in type „piping“:

steam valve:	token
PTFE air to open-spring to close NC – alignment „upwards“	5
O-ring air to open-spring to close NC – alignment „upwards“	7
Leakage valve:	
PTFE spring to open-air to close NO – alignment „downwards“	2
O-ring spring to open-air to close NO – alignment „downwards“	4



Aseptic Mix Proof Valve N7 as Bottom Seat Valve

dimensions



X = dimension for clusters upon customer's request

DIN	A	B	D	D1	D2	E	S	X	Y	kg
40(41x1,5)	150	73	236	133	125	75	19 x 1,5	110	80	28
50(53x1,5)	166	75	242	146	138	81	19 x 1,5	122	92	29
65(70x2)	182	78	246	173	165	92	19 x 1,5	126	96	31
80(85x2)	upon request									

Please note: suitable for maximum product pressure of 4 bar



Aseptic Mix Proof Valve N7 as Bottom Seat Valve

pneumatic – air to open-spring to close NC

DIN	PTFE bellows		Weld-in Flange
	Reference Number		Reference Number
40	30712.2127.05.0606.32		30710.0000.01.0006.31
50	30712.2128.05.0707.32		30710.0000.01.0007.31
65	30712.2129.05.0808.32		30710.0000.01.0008.31
80	30712.2121.05.0909.32	upon request	30710.0000.01.0009.31
			with EPDM O-ring and screws

Valve prices are meant without weld-in flange.

Weld-in flanges are not discountable.

Please note: suitable for maximum product pressure of 4 bar

Upon customer's request, the steam/leakage valves DN 15 DIN (19 x 1,5) are available with PTFE-bellows or with O-ring-sealing in the types „air to open/spring to close NC“ or „spring to open/air to close NO“.

Available versions of CIP valves in type „tank“:

steam valve:	token
PTFE – air to open-spring to close NC – alignment „downwards“	1
O-ring- air to open-spring to close NC – alignment „downwards“	3
Leakage valve:	
PTFE – spring to open-air to close NO – alignment „downwards“	2
O-ring – spring to open-air to close NO – alignment „downwards“	4



Aseptic Valves



The **RIEGER Aseptic Mix Proof Valve N13** combines the advantages of the hygienic mix proof valve N1 proven of long standing with those of the aseptic process valve N7.

The bellows hermetically seal against the environment. The double valve seat separates both process lines so that the mixing of two liquids is completely prevented.

The new construction of the bellows renounces of CIP-valves and a leakage chamber and so allows a very dense valve.

The lower as well as the upper valve disk may be lifted separately. The valve may be cleaned and sterilized in "open" and in "closed"-position.

Your advantages

Design	one-piece valve body from solid bar absolutely dead space free completely draining less seams in product area leakage-free liftable available as tank bottom seat version	
Absolute product safety	water hammer safe up to 20 bar against mixing of cleaning agent with product by means of double valve seat locking mechanism rinsable and sterilizable vacuum-safe	
Maintenance	Actuator can be dismantled upwards completely in one piece.	
Efficiency	long life of the PTFE-bellows lows maintenance costs	
Material	in product contact	1.4404/AISI316L
	optional	1.4435/AISI316L
	non product contact	1.4301/AISI304
Seals	bellows	PTFE
	O-rings	EPDM
Temperatures maximum	operating temperature	130 °C* (266 °F)
	sterilizing temperature	121 °C* (250 °F)
		150 °C* (300 °F)
		135 °C* (275 °F)
Operating pressure	closing pressure	max. 6 bar (87 psi)
	control air pressure	min 6 bar (87 psi) - max. 10 bar (145 psi)
Surfaces	in product contact	Ra <= 0,8 µm
	non product contact	Ra <=1,6 µm



patented



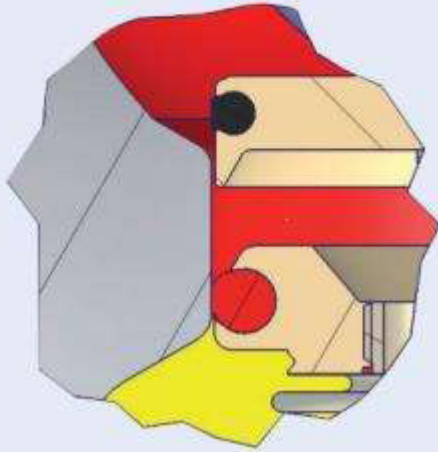
* dependent upon operating conditions



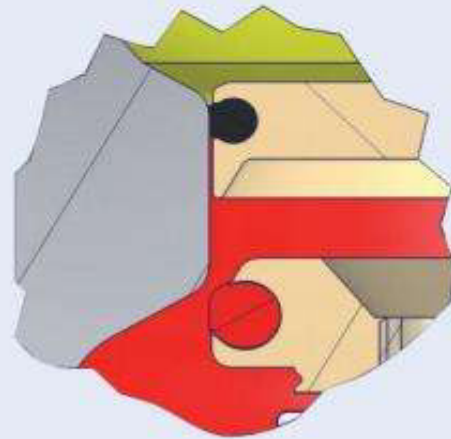
Aseptic Mix Proof Valve N13

schemes

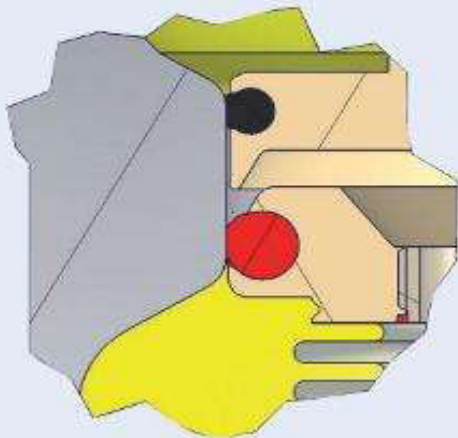
cleaning of upper valve body



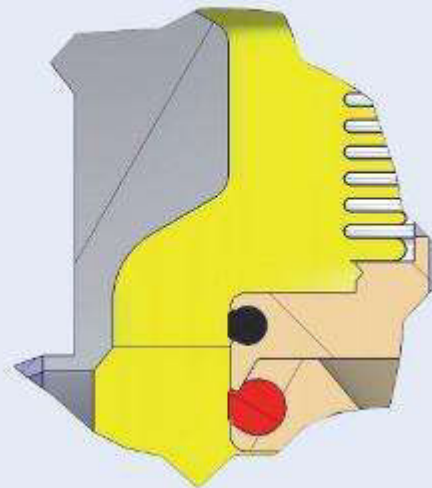
cleaning of lower valve body



valve position „closed“



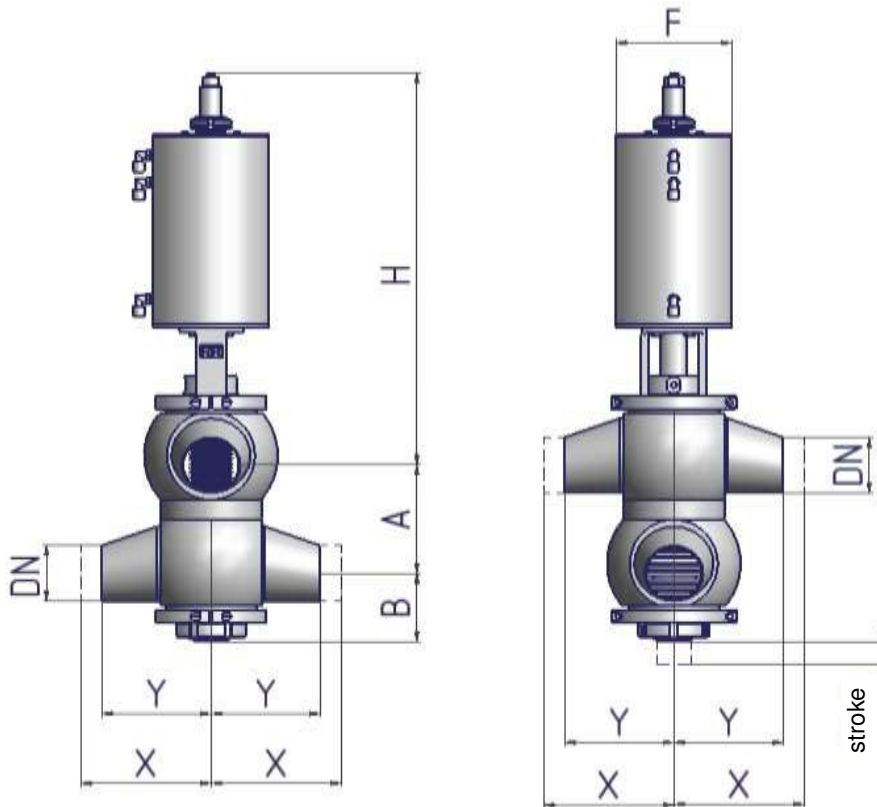
valve position „open“





Aseptic Mix Proof Valve N13.04.400

dimensions



X = dimension for clusters (according to customer's request)

DIN	A	B	H	F	Y	Stroke	kg
40	125	73	444	111	137	32	
50	125	79	438	111	104	32	33
65	138	94	480	138	106	36	33
80	145,5	94	473	138	125	36	33
100	137	103	505	168	150	36	

DN 50 – DN 80: Valve body DN 80

DN 50 and DN 65 with excentrical reducers DN 80/DN 50 resp. DN 80/DN 65



Aseptic Valves



Aseptic Mix Proof Valve N13.04.400

pneumatic – air to open-spring to close NC

PTFE bellows

DIN	Reference Number
40	31301.2408.01.0606.32
50	31301.2409.01.0707.32
65	31301.2409.01.0808.32
80	31301.2409.01.0909.32
100	31301.2401.01.1010.32

DIN	Pipe
40	41 x 1,5
50	53 x 1,5
65	70 x 2
80	85 x 2
100	104 x 2

Gasket Kit Product Side

40	upon request
50-80	5006787
100	upon request



Gasket Kits for Aseptic Mix Proof Valves N7

for type „piping“



DIN Reference Number

PTFE bellows

40	5001729
50	5001731
65	5002672
80	5004387
100	5005122

Silicone O-ring behind bellows non product contact – included in price



PTFE bellows/metal cap/EPDM O-rings

40	5005121
50	5005120
65	5005117
80	5005119
100	5005118

Silicone O-ring behind bellows non product contact – included in price



PTFE bellows/PEEK-cap/EPDM O-rings

40	5006983
50	5006984
65	5005985
80	5006986

Silicone O-ring behind bellows non product contact – included in price

for type “tank“



DIN Reference Number Price

PTFE bellows

40	5004865	
50	5001587	
65	5004973	
80	5005126	upon request

Silicone O-ring behind bellows non product contact – included in price



Gasket Kits for Aseptic Mix Proof Valve N7

for aseptic CIP/SIP valve DN 15



Material	Reference Number	Price
Seal kit product side		
PTFE	5001591	
Silicone O-ring behind bellows non product contact – included in price		

for hygienic CIP/SIP valve DN 15



Material	Reference Number	Price
Seal kits product side		
EPDM	5001589	
Viton	5005127	



Gasket Kits

product side

PTFE bellows		Metal bellows	
DIN	Reference Number	DIN	Reference Number
10-15	5004740		
20	5001854		
25	5001165		5001434
40	5001213		5001806
50	5001327		5001436
65	5001211		5001438
80	5001209		5002077
100	5001220		5002012
			upon request
		for right angle valve L-type	with
with Silicone O-ring behind bellows		double right angle T-type	EPDM
-no product contact-		cross valves	O-rings
		straight-way valves	

Gasket Kits

EPDM O-rings for metal bellows

DIN	Reference Number
25	5001803
40	5001808
50	5000016
65	5001805
80	5002079
100	5002014



Gasket Kits

product side

PTFE bellows with EPDM O-ring

DIN	Reference Number
25	5005128
40	5003355
50	5001266
65	5001440
80	5001371
100	5001369

for Change Over Valves

with Silicone O-ring behind bellows

-no product contact-

Gasket Kits

product side

Bottom Seat Valve

Inclined Seat Valve

DIN	Reference Number	Reference Number
10	5002375	see chapter 6
15	5002375	5001878
20	5002375	5001878
25	5001718	5004307
40	5001720	5004308
50	5001626	5005696
65	5001974	5004610
80	5003685	5005566
100	5005697	5005129

PTFE bellows with EPDM O-ring *for ISO upon request* PTFE bellows with EPDM O-ring
with Silicone O-ring behind bellows – no product contact
with EPDM O-ring for weld-in flange



O-Ring for Weld-in Flange for Bottom Seat Valve

EPDM

DIN	Dimensions	Reference Number
10-20	32 x 3	1000171
25	50 x 5	1001206
40	58 x 5	1000115
50	72 x 5	1001208
65	90 x 5	1001491
80	100 x 5	1000812
100	130 x 5	1001401

other sealing materials upon request



Aseptic Valves



Rinsing Port

for bottom seat valves

for all sizes

Ø13 mm x 1,5 mm



Reference Number

Price

9000000003899

Material: 1.4404

other rinsing inlet sizes and materials upon request

Weld-in Devices for Weld-in Flanges

for bottom seat valves



DIN

Reference Number

kg

10-20	5005332	0,7
25	5005615	1,0
40	5005616	1,3
50	5005617	3,5
65	5005618	4,5
80	5005516	5,1
100	5005614	6,8

Material: Aluminium

not discountable

for protection of valve seat

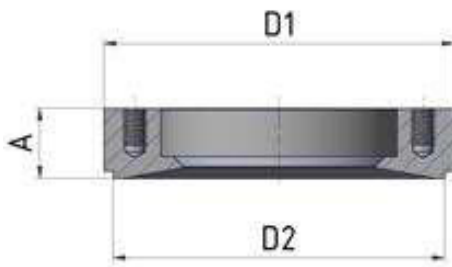
almost indefinitely reusable if used properly

more details upon request



Weld-in Flanges

for bottom seat valve – with EPDM O-ring



DIN	Reference Number	D1	D2	A	ISO	kg
10-20	40700.0000.01.0003.31	75	68	16,5	10-15	1,0
25	40700.0000.01.0004.31	108	100	23	20	1,6
40	40700.0000.01.0006.31	133	125	29	32	1,8
50	40700.0000.01.0007.31	146	138	29	40-50	2,2
65	40700.0000.01.0008.31	173	165	30	65	3,0
80	40700.0000.01.0009.31	186	176	33,5	80	3,4
100	40700.0000.01.0010.31	217	209	34	100	4,5

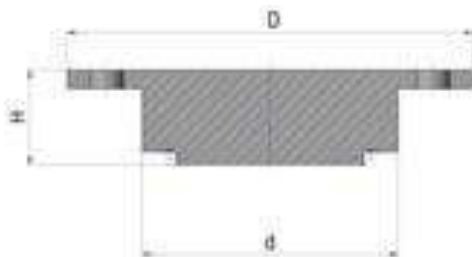
Material: 1.4404

for tank wall thickness 3 mm

for other wall thickness upon request

Blind Flanges (= Counter Parts to Weld-in Flanges)

for bottom seat valve – with EPDM O-ring



DIN	Reference Number	D	d	H	kg
10-20	5004640	75	50	20,9	0,9
25	5004620	108	71	25,8	1,5
40	5003009	133	84	30,6	1,7
50	5003005	146	98	30,6	2,1
65	5003006	173	119	31,1	2,8
80	5003007	186	138	35	3,2
100	5003008	217	167	35	4,2

Material: 1.4404

not discountable



Leakage Drain

for leakage ports



Inch	Reference number		
1/8"	5030018		
A	B	C	D
1/8"	8 x 1	78,5	100

not discountable



Hygienic Single Seat Valves



RIEGER Hygienic single seat valves are used where a maximum of productivity, safety and quality is required. They can be found in plants of dairies, the food industry, the pharmaceutical and the chemical industries and in biotechnology.

The progressive valve program, thousand old proven in daily applications, enables high flexibility within the individual production series. This is why RIEGER Hygienic single seat valves ensure the perfect solution for our customers for their liquid products.

Due to the modular building system the change from hygienic to aseptic, from "air to open" to "air to close" is possible without problems. Also the installation dimensions can be customized to the givens in place.

Your advantages

Design	solid valve body, no dead spaces completely draining many built-in positions possible
Product safety	high-grade inner surfaces no dome or sump in product space
Maintenance	change of seals without special tools optimum cleanability
Efficiency	building block system standard seals low spare part costs

Technical Data

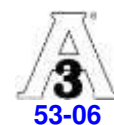
Material	product	1.4404/AISI316L
	contact	1.4435/AISI316L
	optional	1.4301/AISI304
	non product contact	
Seals	O-rings	EPDM (Viton and other material upon request)
	Temperatures maximum	operating temperature 130 °C sterilising temperature 150 °C* short-time (approx. 20 min)
Operating pressure	closing pressure	max. 6 bar
	Note:	see catalog pages
	Change over valves:	
Surfaces	produktberührt	Ra <= 0,8 µm (32 µin)
	optional	electro polished, other surfaces upon request
		Ra <=1,6 µm (64 µin)Tyü
	no product contact	

Connections Standard pipes

* dependent upon operating conditions



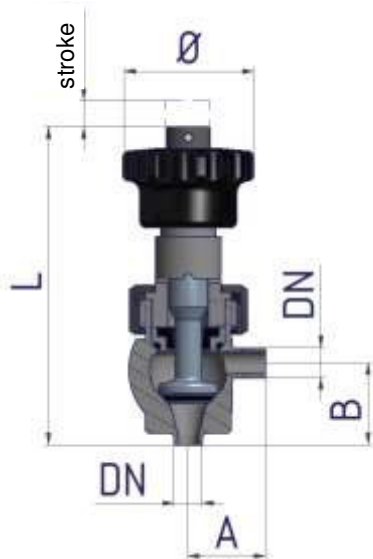
3-A versions available





Hygienic Right Angle Valve Type L

manual with plastic hand wheel

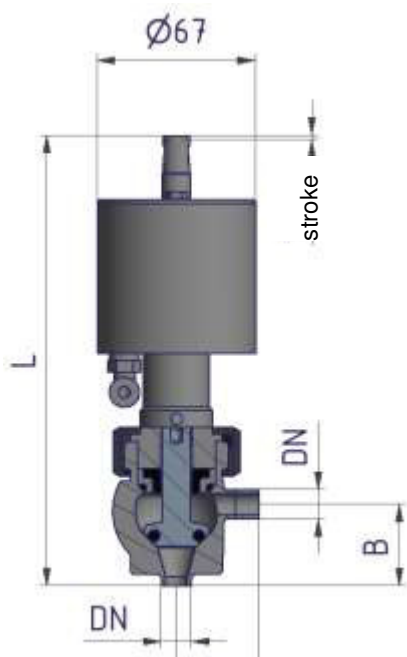


DIN	Pipe	A	B	L	Stroke	kg
10	13 x 1,5	35	35	125	5	1,5
15	19 x 1,5	40	40	130	5	1,5
20	23 x 1,5	45	45	135	5	1,6

Inch	Pipe	A	B	L	Stroke	kg
1/2"	12,7 x 1,65	35	35	125	5	1,5
3/4"	19,05 x 1,65	40	40	130	5	1,5

Hygienic Right Angle Valve Type L

pneumatic – air to open-spring to close NC



DIN	Pipe	A	B	L	Stroke	kg
10	13 x 1,5	35	35	200	5	2,0
15	19 x 1,5	40	40	205	5	2,0
20	23 x 1,5	45	45	210	5	2,1

Inch	Pipe	A	B	L	Stroke	kg
1/2"	12,7 x 1,65	35	35	200	5	2,0
3/4"	19,05 x 1,65	40	40	205	5	2,0



Hygienic Right Angle Valve Type L

manual with plastic hand wheel

EPDM

DIN	Reference Number
10	40004.1000.01.0001.32
15	40004.1000.01.0002.32
20	40004.1000.01.0003.32



Inch	Reference Number
1/2"	40004.1000.01.0022.32
3/4"	40004.1000.01.0023.32



Hygienic Right Angle Valve Type L

pneumatic – air to open-spring to close NC

EPDM

DIN	Reference Number
10	40001.1000.01.0001.32
15	40001.1000.01.0002.32
20	40001.1000.01.0003.32



Inch	Reference Number
1/2"	40001.1000.01.0022.32
3/4"	40001.1000.01.0023.32



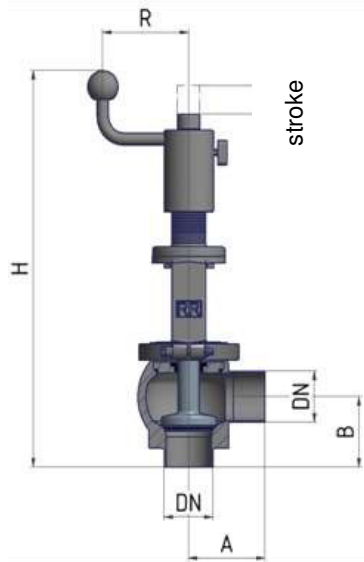


Hygienic Single Seat Valves



Hygienic Right Angle Valve Type L

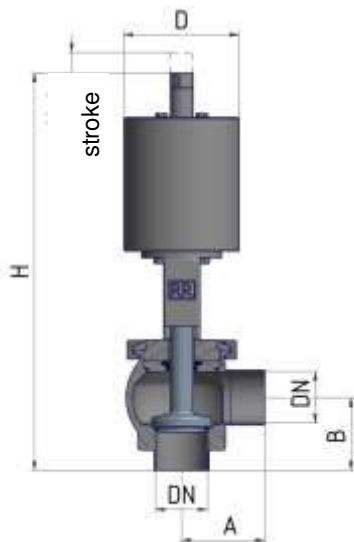
manual with crank handle



DN	Pipe	A	B	R	H	Stroke	kg
25	29 x 1,5	50	50	73	300	16	3,1
40	41 x 1,5	60	60	73	300	16	5,3
50	53 x 1,5	80	70	90	380	20,5	5,7
65	70 x 2	100	80	90	395	22	7,6
80	85 x 2	125	90	90	435	30	10,3
100	104 x 2	150	100	90	445	33	14,3
1"	25,4 x 1,65						3,1
1 1/2"	38,1 x 1,65		In case of order				5,3
2"	50,8 x 1,65		you get a 3D step file				5,7
2 1/2"	63,5 x 1,65		for your design department.				7,6
3"	76,2 x 1,65						10,3
4"	101,6 x 2,11						14,3

Hygienic Right Angle Valve Type L

pneumatic – air to open-spring to close NC



DN	Pipe	A	B	D	H	Stroke	kg
25	29 x 1,5	50	50	90	305	16	5,1
40	41 x 1,5	60	60	90	315	16	6,2
50	53 x 1,5	80	70	110	380	20,5	10,4
65	70 x 2	100	80	133	430	22	15,2
80	85 x 2	125	90	172	505	30	24,7
100	104 x 2	150	100	172	660	33	28,6
1"	25,4 x 1,65						5,1
1 1/2"	38,1 x 1,65		In case of order				6,2
2"	50,8 x 1,65		you get a 3D step file				10,4
2 1/2"	63,5 x 1,65		for your design department.				15,2
3"	76,2 x 1,65						24,7
4"	101,6 x 2,11						28,6



Hygienic Right Angle Valve Type L

manual with crank handle

EPDM

DN	Reference Number
25	40040.1000.01.0004.32
40	40040.1000.01.0006.32
50	40040.1000.01.0007.32
65	40040.1000.01.0008.32
80	40040.1000.01.0009.32
100	40040.1000.01.0010.32
1"	40040.1000.01.0024.32
1 1/2"	40040.1000.01.0026.32
2"	40040.1000.01.0027.32
2 1/2"	40040.1000.01.0028.32
3"	40040.1000.01.0029.32
4"	40040.1000.01.0030.32

Hygienic Right Angle Valve Type L

pneumatic – air to open-spring to close NC

EPDM

DN	Reference Number
25	40010.1000.01.0004.32
40	40010.1000.01.0006.32
50	40010.1000.01.0007.32
65	40010.1000.01.0008.32
80	40010.1000.01.0009.32
100	40010.1000.01.0010.32
1"	40010.1000.01.0024.32
1 1/2"	40010.1000.01.0026.32
2"	40010.1000.01.0027.32
2 1/2"	40010.1000.01.0028.32
3"	40010.1000.01.0029.32
4"	40010.1000.01.0030.32

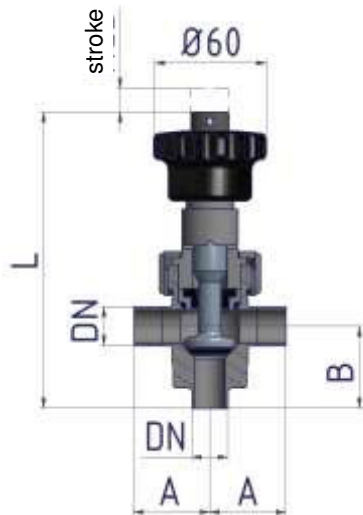


Hygienic Single Seat Valves



Hygienic Double Right Angle Valve Type T

manual with plastic hand wheel

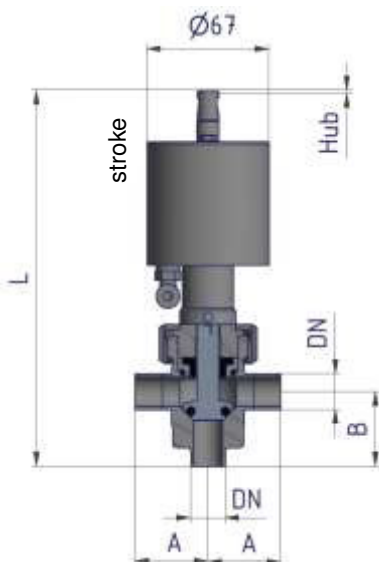


DIN	Pipe	A	B	L	Stroke	kg
10	13 x 1,5	35	35	125	5	1,5
15	19 x 1,5	40	40	130	5	1,5
20	23 x 1,5	45	45	135	5	1,6

Inch	Pipe	A	B	L	Stroke	kg
1/2"	12,7 x 1,65	35	35	125	5	1,5
3/4"	19,05 x 1,65	40	40	130	5	1,5

Hygienic Double Right Angle Valve Type T

pneumatic – air to open-spring to close NC



DIN	Pipe	A	B	L	Stroke	kg
10	13 x 1,5	35	35	200	5	2,0
15	19 x 1,5	40	40	205	5	2,0
20	23 x 1,5	45	45	210	5	2,1

Inch	Pipe	A	B	L	Stroke	kg
1/2"	12,7 x 1,65	35	35	200	5	2,0
3/4"	19,05 x 1,65	40	40	205	5	2,0



Hygienic Double Right Angle Valve Type T

manual with plastic hand wheel

EPDM

DIN	Reference Number
10	40104.1000.01.0001.32
15	40104.1000.01.0002.32
20	40104.1000.01.0003.32

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Inch	Reference Number
1/2"	40104.1000.01.0022.32
3/4"	40104.1000.01.0023.32

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Hygienic Double Right Angle Valve Type T

pneumatic – air to open-spring to close NC

EPDM

DIN	Reference Number
10	40101.1000.01.0001.32
15	40101.1000.01.0002.32
20	40101.1000.01.0003.32

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Inch	Reference Number
1/2"	40101.1000.01.0022.32
3/4"	40101.1000.01.0023.32

--	--

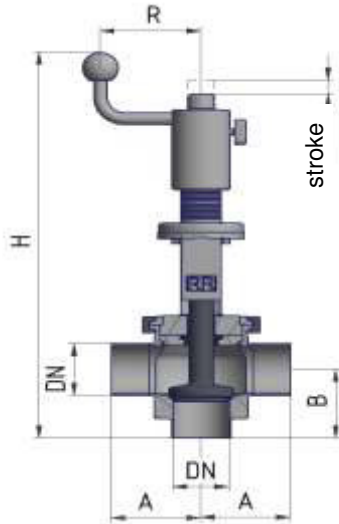


Hygienic Single Seat Valves



Hygienic Double Right Angle Valve Type T

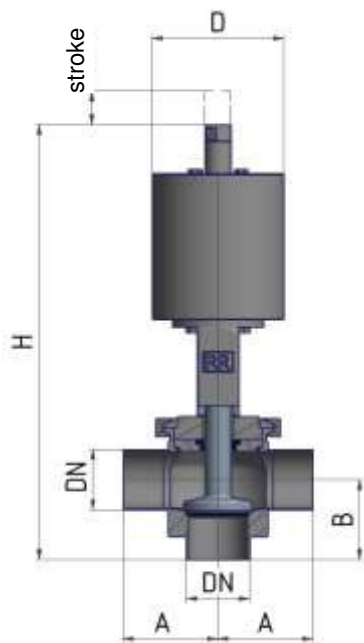
manual with crank handle



DN	Pipe	A	B	R	H	Stroke	kg
25	29 x 1,5	50	50	73	310	18	3,1
40	41 x 1,5	60	60	73	330	18	5,3
50	53 x 1,5	80	70	90	400	22	5,7
65	70 x 2	100	80	90	415	25	7,6
80	85 x 2	125	90	90	445	33	10,3
100	104 x 2	150	100	90	465	35	14,3
1"	25,4 x 1,65					18	3,1
1 1/2"	38,1 x 1,65	In case of order				18	5,3
2"	50,8 x 1,65	you get a 3D step file				22	5,7
2 1/2"	63,5 x 1,65	for your design department.				25	7,6
3"	76,2 x 1,65					33	10,3
4"	101,6 x 2,11					35	14,3

Hygienic Double Right Angle Valve Type T

pneumatic – air to open-spring to close NC



DN	Pipe	A	B	D	H	Stroke	kg
25	29 x 1,5	50	50	90	310	18	5,1
40	41 x 1,5	60	60	90	325	18	6,2
50	53 x 1,5	80	70	110	384	22	10,4
65	70 x 2	100	80	133	445	25	15,2
80	85 x 2	125	90	160	509	33	24,7
100	104 x 2	150	100	168	527	35	28,6
1"	25,4 x 1,65					18	5,1
1 1/2"	38,1 x 1,65	In case of order				18	6,2
2"	50,8 x 1,65	you get a 3D step file				22	10,4
2 1/2"	63,5 x 1,65	for your design department.				25	15,2
3"	76,2 x 1,65					33	24,7
4"	101,6 x 2,11					35	28,6



Hygienic Double Right Angle Valve Type T

manual with crank handle

EPDM

DN	Reference Number
25	40140.1000.01.0004.32
40	40140.1000.01.0006.32
50	40140.1000.01.0007.32
65	40140.1000.01.0008.32
80	40140.1000.01.0009.32
100	40140.1000.01.0010.32
1"	40140.1000.01.0024.32
1 1/2"	40140.1000.01.0026.32
2"	40140.1000.01.0027.32
2 1/2"	40140.1000.01.0028.32
3"	40140.1000.01.0029.32
4"	40140.1000.01.0030.32

Hygienic Double Right Angle Valve Type T

pneumatic – air to open-spring to close NC

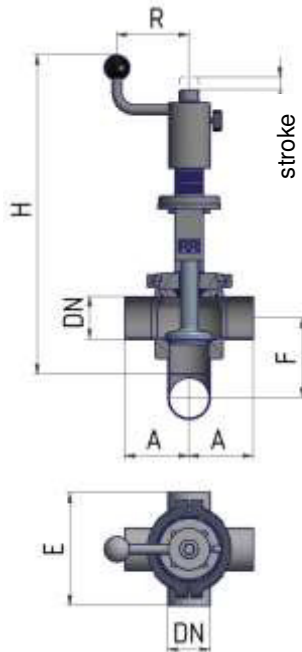
EPDM

DN	Reference Number
25	40110.1000.01.0004.32
40	40110.1000.01.0006.32
50	40110.1000.01.0007.32
65	40110.1000.01.0008.32
80	40110.1000.01.0009.32
100	40110.1000.01.0010.32
1"	40110.1000.01.0024.32
1 1/2"	40110.1000.01.0026.32
2"	40110.1000.01.0027.32
2 1/2"	40110.1000.01.0028.32
3"	40110.1000.01.0029.32
4"	40110.1000.01.0030.32



Hygienic Cross Valve Type TT

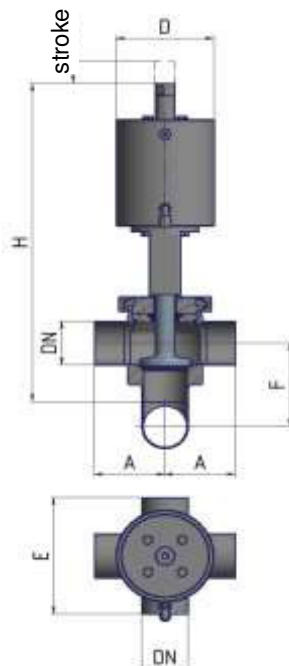
manual with crank handle



DN	Pipe	A	E	F	R	H	Stroke	kg
25	29 x 1,5	50	100	66	73	310	18	3,2
40	41 x 1,5	60	120	82	73	330	18	5,5
50	53 x 1,5	80	140	99	90	400	22	6,0
65	70 x 2	100	160	119	90	415	25	8,1
80	85 x 2	125	180	136	90	445	33	10,9
100	104 x 2	150	200	156	90	465	35	15,2
1"	25,4 x 1,65						18	3,2
1 1/2"	38,1 x 1,65		In case of order				18	5,5
2"	50,8 x 1,65		you get a 3D step file				22	6,0
2 1/2"	63,5 x 1,65		for your design department.				25	8,1
3"	76,2 x 1,65						33	10,9
4"	101,6 x 2,11						35	15,2

Hygienic Cross Valve Type TT

pneumatic – air to open-spring to close NC



DN	Pipe	A	E	F	D	H	Stroke	kg
25	29 x 1,5	50	100	66	90	310	18	5,2
40	41 x 1,5	60	120	82	90	325	18	6,4
50	53 x 1,5	80	140	99	110	384	22	10,5
65	70 x 2	100	160	119	133	445	25	15,7
80	85 x 2	125	180	136	160	509	33	25,4
100	104 x 2	150	200	156	168	527	35	29,5
1"	25,4 x 1,65						18	5,2
1 1/2"	38,1 x 1,65		In case of order				18	6,4
2"	50,8 x 1,65		you get a 3D step file				22	10,5
2 1/2"	63,5 x 1,65		for your design department.				25	15,7
3"	76,2 x 1,65						33	25,4
4"	101,6 x 2,11						35	29,5



Hygienic Cross Valve Type TT

manual with crank handle

EPDM

DN	Reference Number
25	40340.1000.01.0004.32
40	40340.1000.01.0006.32
50	40340.1000.01.0007.32
65	40340.1000.01.0008.32
80	40340.1000.01.0009.32
100	40340.1000.01.0010.32
1"	40340.1000.01.0024.32
1 1/2"	40340.1000.01.0026.32
2"	40340.1000.01.0027.32
2 1/2"	40340.1000.01.0028.32
3"	40340.1000.01.0029.32
4"	40340.1000.01.0030.32

Hygienic Cross Valve Type TT

pneumatic – air to open-spring to close NC

EPDM

DN	Reference Number
25	40310.1000.01.0004.32
40	40310.1000.01.0006.32
50	40310.1000.01.0007.32
65	40310.1000.01.0008.32
80	40310.1000.01.0009.32
100	40310.1000.01.0010.32
1"	40310.1000.01.0024.32
1 1/2"	40310.1000.01.0026.32
2"	40310.1000.01.0027.32
2 1/2"	40310.1000.01.0028.32
3"	40310.1000.01.0029.32
4"	40310.1000.01.0030.32

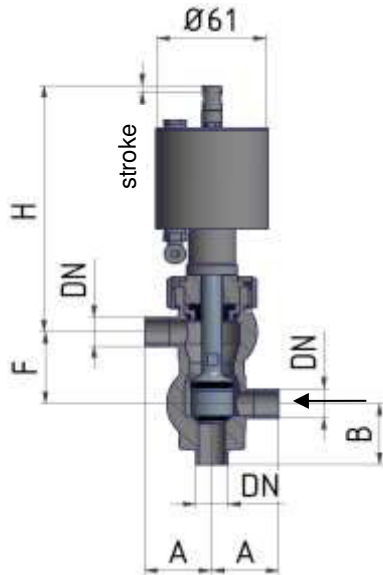


Hygienic Single Seat Valves



Hygienic Change Over Valve Type LL

pneumatic – air to open-spring to close NC – **one-piece valve body**



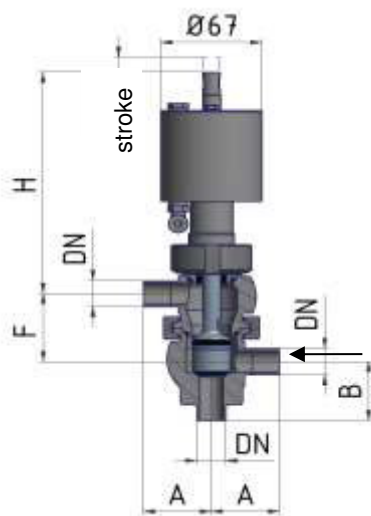
DIN	Pipe	A	B	H	F	Stroke	kg
10	13 x 1,5	40	40	158	42	10	2,7
15	19 x 1,5	40	40	161	47	10	2,7
20	23 x 1,5	45	40	165	45	10	2,8

NC = If air fails, lower port is closed.

Closing pressure of 6 bar is only ensured with flow direction into middle port with control air pressure of at least 6 bar (max. 10 bar) – see arrow.

Hygienic Change Over Valve Type LL

pneumatic – air to open-spring to close NC – **two-piece valve body**



DIN	Pipe	A	B	H	F	Stroke	kg
10	13 x 1,5	40	40	158	42	10	2,7
15	19 x 1,5	40	40	161	47	10	2,7
20	23 x 1,5	45	40	165	45	10	2,8

NC = If air fails, lower port is closed.

Closing pressure of 6 bar is only ensured with flow direction into middle port with control air pressure of at least 6 bar (max. 10 bar) – see arrow.



Hygienic Change Over Valve Type LL

pneumatic – air to open-spring to close NC – **one-piece valve body**

EPDM

DIN	Reference Number
10	40401.1000.01.0001.32
15	40401.1000.01.0002.32
20	40401.1000.01.0003.32

Hygienic Change Over Valve Type LL

pneumatic – air to open-spring to close NC – **two-piece valve body**

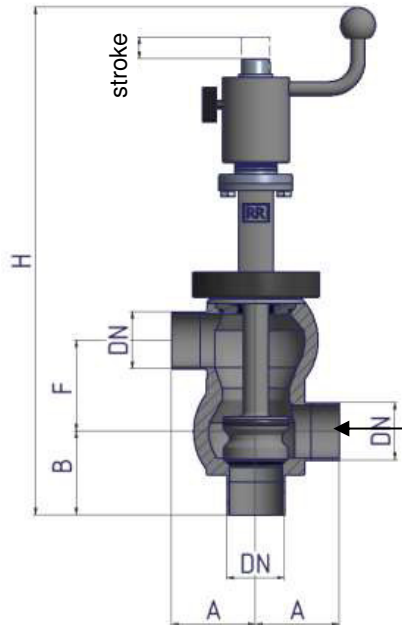
EPDM

DIN	Reference Number
10	40801.1000.01.0001.32
15	40801.1000.01.0002.32
20	40801.1000.01.0003.32



Hygienic Change Over Valve Type LL

manual with crank handle – 3 ports – one-piece valve body



DN	Pipe	A	B	F	R	H	Stroke	kg
25	29 x 1,5	50	50	55	73	360	18	6,3
40	41 x 1,5	60	60	65	73	385	18	7,3
50	53 x 1,5	80	70	77	90	475	22	14,8
65	70 x 2	100	80	95	90	510	25	17,6
80	85 x 2	125	90	110	90	555	33	27,9
100	104 x 2	150	100	129	90	595	35	35,7
1"	25,4 x 1,65						18	6,3
1 1/2"	38,1 x 1,65		In case of order				18	7,3
2"	50,8 x 1,65		you get a 3D step file				22	14,8
2 1/2"	63,5 x 1,65		for your design department.				25	17,6
3"	76,2 x 1,65						33	27,9
4"	101,6 x 2,11						35	35,7

Closing pressure of 6 bar is only ensured with flow direction into middle port – see arrow.



Hygienic Change Over Valve Type LL

manual with crank handle - **3 ports – one-piece valve body**

EPDM

DN	Reference Number
25	40440.1000.01.0004.32
40	40440.1000.01.0006.32
50	40440.1000.01.0007.32
65	40440.1000.01.0008.32
80	40440.1000.01.0009.32
100	40440.1000.01.0010.32
1"	40440.1000.01.0024.32
1 1/2"	40440.1000.01.0026.32
2"	40440.1000.01.0027.32
2 1/2"	40440.1000.01.0028.32
3"	40440.1000.01.0029.32
4"	40440.1000.01.0030.32

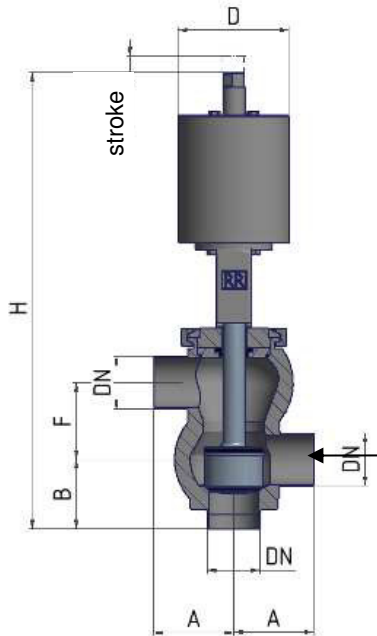


Hygienic Single Seat Valves



Hygienic Change Over Valve Type LL

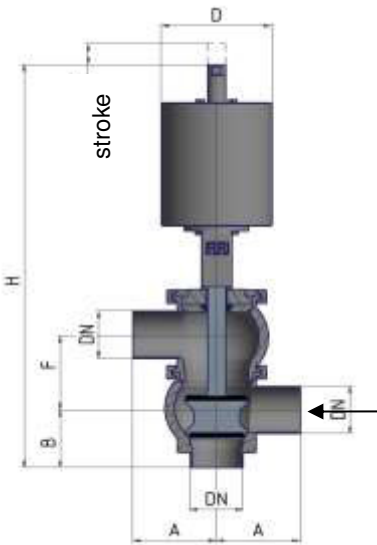
pneumatic – air to open-spring to close NC – **3 ports**– **one-piece valve body**



DN	Pipe	A	B	F	D	H	Stroke	kg
25	29 x 1,5	50	50	55	90	361	18	6,3
40	41 x 1,5	60	60	65	90	387	18	7,3
50	53 x 1,5	80	70	77	110	459	22	14,8
65	70 x 2	100	80	95	133	539	25	17,6
80	85 x 2	125	90	110	172	630	33	27,9
100	104 x 2	150	100	129	172	665	35	35,7
1"	25,4 x 1,65	In case of order					18	6,3
1 1/2"	38,1 x 1,65	you get a 3D step file					18	7,3
2"	50,8 x 1,65	for your design department.					22	14,8
2 1/2"	63,5 x 1,65	Drawing shows NC -					25	17,6
3"	76,2 x 1,65	NC = If air fails, lower					33	27,9
4"	101,6 x 2,11	port is closed.					35	35,7

Hygienic Change Over Valve Type LL

pneumatic – air to open-spring to close NC - **3 ports** – **two-piece valve body**



DN	Pipe	A	B	F	D	H	Stroke	kg
25	29 x 1,5	50	50	55	90	360	18	6,3
40	41 x 1,5	60	60	65	90	385	18	7,3
50	53 x 1,5	80	70	77	110	475	22	14,8
65	70 x 2	100	80	95	133	510	25	17,6
80	85 x 2	125	90	110	172	630	33	27,9
100	104 x 2	150	100	129	172	665	35	35,7
1"	25,4 x 1,65	In case of order					18	6,3
1 1/2"	38,1 x 1,65	you get a 3D step file					18	7,3
2"	50,8 x 1,65	for your design department.					22	14,8
2 1/2"	63,5 x 1,65	Drawing shows NC -					25	17,6
3"	76,2 x 1,65	NC = If air fails, lower					33	27,9
4"	101,6 x 2,11	port is closed.					35	35,7

Closing pressure of 6 bar is only ensured with flow direction into middle port with control air pressure of at least 6 bar (max. 10 bar) – see arrow.



Hygienic Change Over Valve Type LL

pneumatic – air to open-spring to close NC – **3 ports – one-piece valve body**

EPDM

DN	Reference Number
25	40410.1000.01.0004.32
40	40410.1000.01.0006.32
50	40410.1000.01.0007.32
65	40410.1000.01.0008.32
80	40410.1000.01.0009.32
100	40410.1000.01.0010.32
1"	40410.1000.01.0024.32
1 1/2"	40410.1000.01.0026.32
2"	40410.1000.01.0027.32
2 1/2"	40410.1000.01.0028.32
3"	40410.1000.01.0029.32
4"	40410.1000.01.0030.32

Hygienic Change Over Valve Type LL

pneumatic – air to open-spring to close NC – **3 ports – two-piece valve body**

EPDM

DN	Reference Number
25	40810.1000.01.0004.32
40	40810.1000.01.0006.32
50	40810.1000.01.0007.32
65	40810.1000.01.0008.32
80	40810.1000.01.0009.32
100	40810.1000.01.0010.32
1"	40810.1000.01.0024.32
1 1/2"	40810.1000.01.0026.32
2"	40810.1000.01.0027.32
2 1/2"	40810.1000.01.0028.32
3"	40810.1000.01.0029.32
4"	40810.1000.01.0030.32

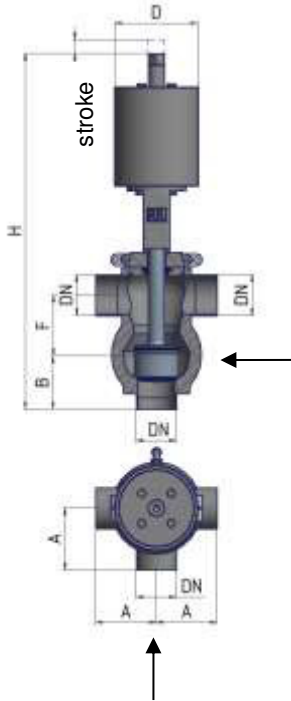


Hygienic Single Seat Valves



Hygienic Change Over Valve Type TL

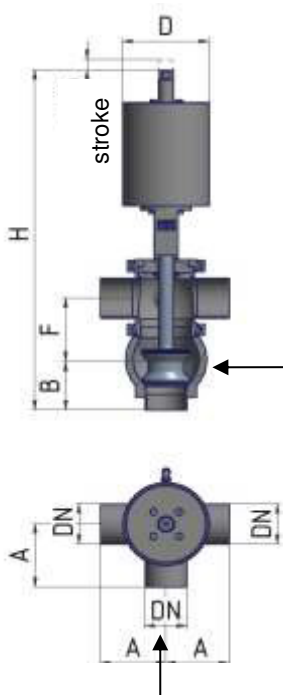
pneumatic – air to open-spring to close NC - 4 ports – one-piece valve body



DN	Pipe	A	B	F	D	H	Stroke	kg	
25	29 x 1,5	50	50	55	90	361	18	6,3	
40	41 x 1,5	60	60	65	90	387	18	7,3	
50	53 x 1,5	80	70	77	110	459	22	14,8	
65	70 x 2	100	80	95	133	539	25	17,6	
80	85 x 2	125	90	110	172	630	33	27,9	
100	104 x 2	150	100	129	172	665	35	35,7	
1"	25,4 x 1,65	In case of order						18	6,3
1 1/2"	38,1 x 1,65	you get a 3D step file						18	7,3
2"	50,8 x 1,65	for your design department.						22	14,8
2 1/2"	63,5 x 1,65	Drawing shows NC -						25	17,6
3"	76,2 x 1,65	NC = If air fails, lower						33	27,9
4"	101,6 x 2,11	port is closed.						35	35,7

Hygienic Change Over Valve Type TL

pneumatic – air to open-spring to close NC – 4 ports – two-piece valve body



DN	Pipe	A	B	F	D	H	Stroke	kg	
25	29 x 1,5	50	50	55	90	360	18	6,3	
40	41 x 1,5	60	60	65	90	385	18	7,3	
50	53 x 1,5	80	70	77	110	475	22	14,8	
65	70 x 2	100	80	95	133	510	25	17,6	
80	85 x 2	125	90	110	172	630	33	27,9	
100	104 x 2	150	100	129	172	665	35	35,7	
1"	25,4 x 1,65	In case of order						18	6,3
1 1/2"	38,1 x 1,65	you get a 3D step file						18	7,3
2"	50,8 x 1,65	for your design department.						22	14,8
2 1/2"	63,5 x 1,65	Drawing shows NC -						25	17,6
3"	76,2 x 1,65	NC = If air fails, lower						33	27,9
4"	101,6 x 2,11	port is closed.						35	35,7

Closing pressure of 6 bar is only ensured with flow TL direction into middle port with control air pressure of at least 6 bar (max. 10 bar) – see arrow.



Hygienic Change Over Valve Type TL

pneumatic – air to open-spring to close NC – **4 ports – one-piece valve body**

EPDM

DN	Reference Number
25	40410.1040.01.0004.32
40	40410.1040.01.0006.32
50	40410.1040.01.0007.32
65	40410.1040.01.0008.32
80	40410.1040.01.0009.32
100	40410.1040.01.0010.32
1"	40410.1040.01.0024.32
1 1/2"	40410.1040.01.0026.32
2"	40410.1040.01.0027.32
2 1/2"	40410.1040.01.0028.32
3"	40410.1040.01.0029.32
4"	40410.1040.01.0030.32

Hygienic Change Over Valve Type TL

pneumatic – air to open-spring to close NC – **4 ports – two-piece valve body**

EPDM

DN	Reference Number
25	40810.1040.01.0004.32
40	40810.1040.01.0006.32
50	40810.1040.01.0007.32
65	40810.1040.01.0008.32
80	40810.1040.01.0009.32
100	40810.1040.01.0010.32
1"	40810.1040.01.0024.32
1 1/2"	40810.1040.01.0026.32
2"	40810.1040.01.0027.32
2 1/2"	40810.1040.01.0028.32
3"	40810.1040.01.0029.32
4"	40810.1040.01.0030.32

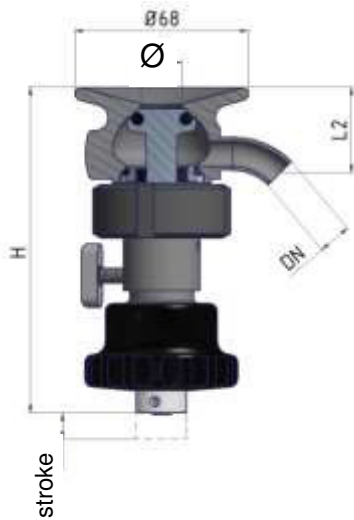


Hygienic Single Seat Valves



Hygienic Bottom Seat Small Valve

manual with plastic hand wheel

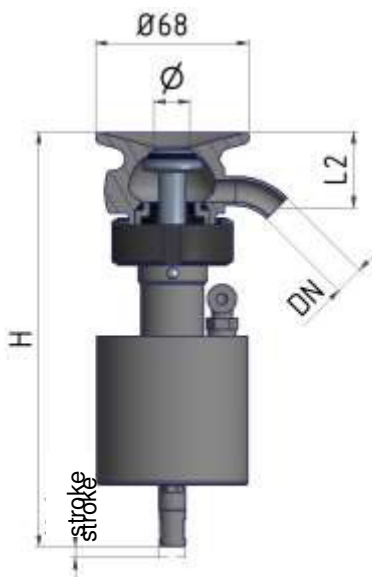


DIN	Pipe	H	L2	Stroke	kg	Ø
10	13 x 1,5	115	35	5	1,4	16
15	19 x 1,5	115	35	5	1,4	20
20	23 x 1,5	130	35	5	1,4	20

Valve body with turned on weld-in flange
for direct welding into tank bottom

Hygienic Bottom Seat Small Valve

pneumatic – air to open-spring to close NC



DIN	Pipe	H	L2	Stroke	kg	Ø
10	13 x 1,5	184	35	5	1,8	16
15	19 x 1,5	184	35	5	1,8	20
20	23 x 1,5	189	35	5	1,9	20

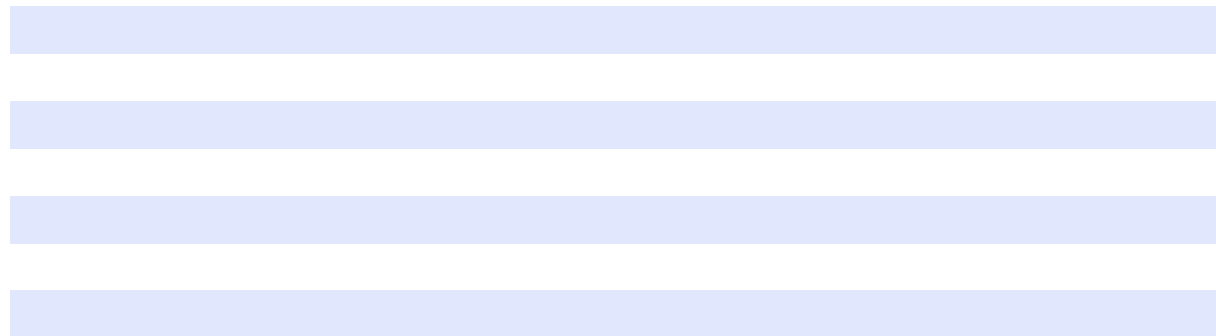
Valve body with turned on weld-in flange
for direct welding into tank bottom



Hygienic Bottom Seat Small Valve

manual with plastic hand wheel

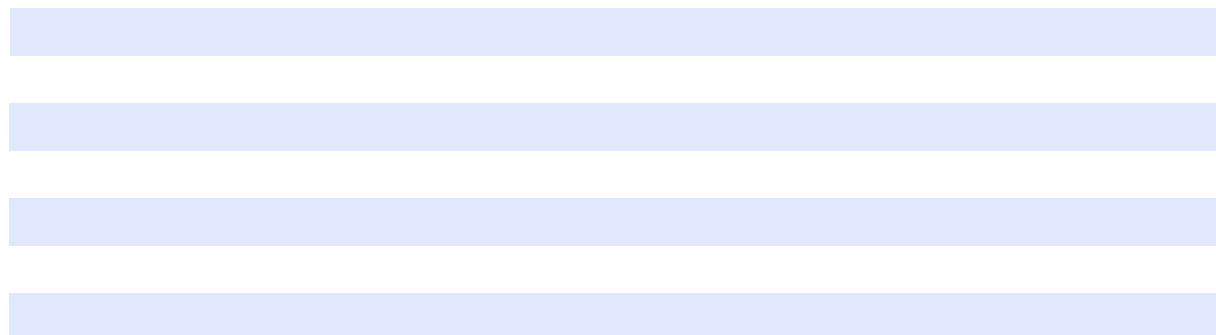
1 port - EPDM		2 ports - EPDM	
DIN	Reference Number	DIN	Reference Number
10	40704.1100.01.0001.32		40704.1100.01.0101.32
15	40704.1100.01.0002.32		40704.1100.01.0202.32
20	40704.1100.01.0003.32		40704.1100.01.0303.32



Hygienic Bottom Seat Small Valve

pneumatic – air to open-spring to close NC

1 port - EPDM		2 ports - EPDM	
DIN	Reference Number	DIN	Reference Number
10	40701.1100.01.0001.32		40701.1100.01.0101.32
15	40701.1100.01.0002.32		40701.1100.01.0202.32
20	40701.1100.01.0003.32		40701.1100.01.0303.32



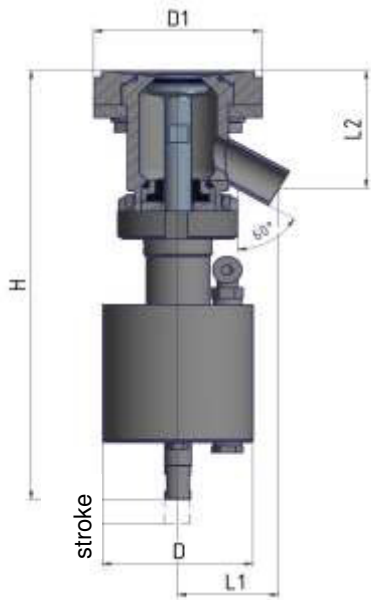


Hygienic Single Seat Valves



Hygienic Bottom Seat Valve 30°

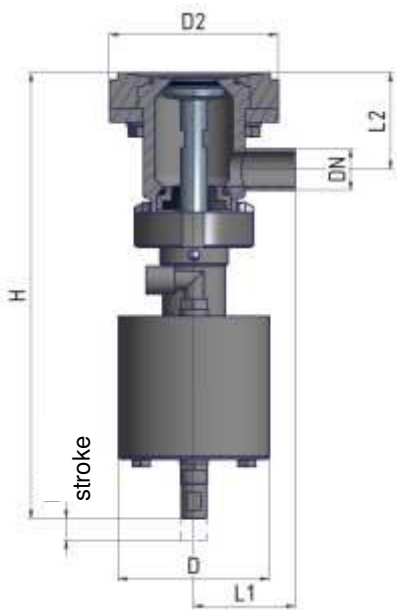
pneumatic – air to open-spring to close NC



DIN	Pipe	D1	DZ	H	L1	L2	Stroke
10	13 x 1,5	75	64	205	45	61	10
15	19 x 1,5	75	64	205	46	58	10
20	23 x 1,5	75	64	205	48	57	10

Hygienic Bottom Seat Valve 90°

pneumatic – air to open-spring to close NC



DIN	Pipe	D1	DZ	H	L1	L2	Stroke
10	13 x 1,5	75	64	205	45	48,5	10
15	19 x 1,5	75	64	205	45	45,5	10
20	23 x 1,5	75	64	205	45	43,5	10



Hygienic Bottom Seat Valve 30°

pneumatic – air to open-spring to close NC

EPDM

DN	Reference Number
10	40701.1000.01.0001.32
15	40701.1000.01.0002.32
20	40701.1000.01.0003.32

Prices without weld-in flange - upon request with rinsing inlet against surcharge
see page 44

Hygienic Bottom Seat Valve 90°

pneumatic – air to open-spring to close NC

EPDM

DN	Reference Number
10	40701.1010.01.0001.32
15	40701.1010.01.0002.32
20	40701.1010.01.0003.32

Prices without weld-in flange - upon request with rinsing inlet against surcharge
see page 44

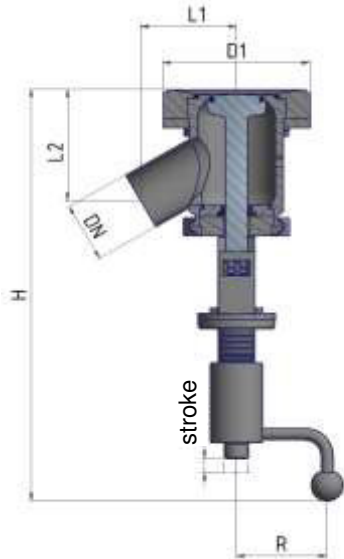


Hygienic Single Seat Valves



Hygienic Bottom Seat Valve 30°

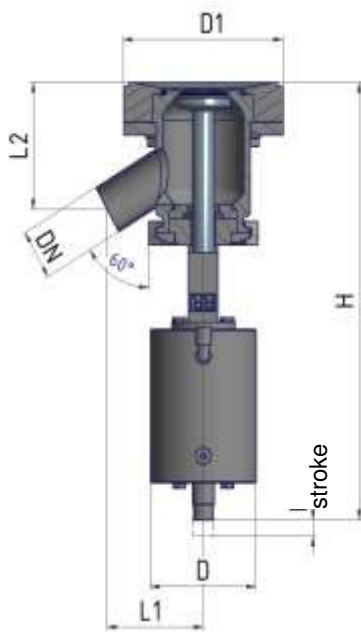
manual with crank handle



DN	Pipe	D1	H	L1	L2	Stroke	kg
25	29 x 1,5	108	320	65	82,5	18	3,7
40	41 x 1,5	133	330	80	94	18	6,7
50	53 x 1,5	146	420	85	110,5	20	7,6
65	70 x 2	173	450	100	132,5	25	10,1
80	85 x 2	186	475	115	146	33	12,5
100	104 x 2	217	520	150	188	35	16,9
1"	25,4 x 1,65	108	320	65	82,5	14	3,7
1 1/2"	38,1 x 1,65	133	330	80	94	14	6,7
2"	50,8 x 1,65	146	420	85	110,5	20	7,6
2 1/2"	63,5 x 1,65	173	450	100	132,5	25	10,1
3"	76,2 x 1,65	186	475	115	146	33	12,5
4"	101,6 x 2,11	217	520	150	188	35	16,9

Hygienic Bottom Seat Valve 30°

pneumatic – air to open-spring to close NC



DN	Pipe	D1	DZ	H	L1	L2	Stroke	kg
25	29 x 1,5	108	90	315	65	82,5	18	6,1
40	41 x 1,5	133	90	330	80	94	18	8,1
50	53 x 1,5	146	110	399	85	110,5	20	16,1
65	70 x 2	173	133	466	100	132,5	22	20,8
80	85 x 2	186	160	529	115	146	30	25,5
100	104 x 2	217	168	572	150	188	32	29,7
1"	25,4 x 1,65	108	90	315	65	82,5	14	6,1
1 1/2"	38,1 x 1,65	133	90	330	80	94	14	8,1
2"	50,8 x 1,65	146	110	399	85	110,5	20	16,1
2 1/2"	63,5 x 1,65	173	133	466	100	132,5	22	20,8
3"	76,2 x 1,65	186	160	529	115	146	30	25,5
4"	101,6 x 2,11	217	168	572	150	188	32	29,7



Hygienic Bottom Seat Valve 30°

manual with crank handle

EPDM	
DN	Reference Number
25	40740.1000.01.0004.32
40	40740.1000.01.0006.32
50	40740.1000.01.0007.32
65	40740.1000.01.0008.32
80	40740.1000.01.0009.32
100	40740.1000.01.0010.32
1"	40740.1000.01.0024.32
1 1/2"	40740.1000.01.0026.32
2"	40740.1000.01.0027.32
2 1/2"	40740.1000.01.0028.32
3"	40740.1000.01.0029.32
4"	40740.1000.01.0030.32

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge

Hygienic Bottom Seat Valve 30°

pneumatic – air to open-spring to close NC

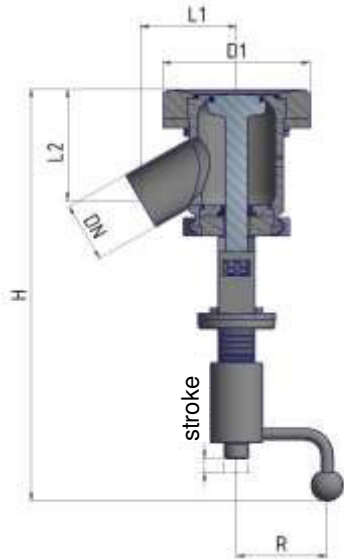
EPDM	
DN	Reference Number
25	40710.1000.01.0004.32
40	40710.1000.01.0006.32
50	40710.1000.01.0007.32
65	40710.1000.01.0008.32
80	40710.1000.01.0009.32
100	40710.1000.01.0010.32
1"	40710.1000.01.0024.32
1 1/2"	40710.1000.01.0026.32
2"	40710.1000.01.0027.32
2 1/2"	40710.1000.01.0028.32
3"	40710.1000.01.0029.32
4"	40710.1000.01.0030.32

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge
see page 44



Hygienic Bottom Seat Valve 30° ISO

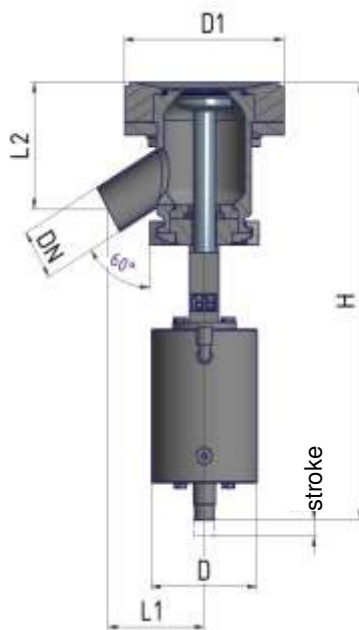
manual with crank handle



ISO	Pipe	D1	H	L1	L2	Stroke
20	26,9 x 1,6	108	320	65	86	18
25	33,7 x 2	108	320	65	83	18
40	48,3 x 2	146	420	85	113	22
50	60,3 x 2	146	420	85	106	22
65	76,2 x 2,3	173	450	100	129,5	25
80	88,9 x 2,3	186	475	115	144	33
100	114,3 x 2,6	217	520	150	183	35

Hygienic Bottom Seat Valve 30° ISO

pneumatic – air to open-spring to close NC



ISO	Pipe	D1	DZ	H	L1	L2	Stroke	kg
20	26,9 x 1,6	108	90	306	65	86	18	
25	33,7 x 2	108	90	306	65	83	18	
40	48,3 x 2	146	110	375	85	113	22	
50	60,3 x 2	146	110	375	85	106	22	
65	76,2 x 2,3	173	133	445	100	129,5	25	
80	88,9 x 2,3	186	160	475	115	144	33	
100	114,3 x 2,6	217	168	565	150	183	35	



Hygienic Bottom Seat Valve 30° ISO

manual with crank handle

EPDM	
ISO	Reference Number
20	40740.1000.01.0043.32
25	40740.1000.01.0044.32
40	40740.1000.01.0046.32
50	40740.1000.01.0047.32
65	40740.1000.01.0048.32
80	40740.1000.01.0049.32
100	40740.1000.01.0050.32



Prices without weld-in flange - upon request with rinsing inlet against surcharge

Hygienic Bottom Seat Valve 30° ISO

pneumatic – air to open-spring to close NC

EPDM	
ISO	Reference Number
20	40710.1000.01.0043.32
25	40710.1000.01.0044.32
40	40710.1000.01.0046.32
50	40710.1000.01.0047.32
65	40710.1000.01.0048.32
80	40710.1000.01.0049.32
100	40710.1000.01.0050.32



Prices without weld-in flange - upon request with rinsing inlet against surcharge

see page 44

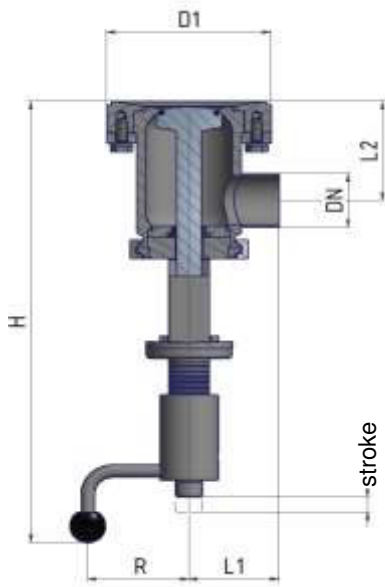


Hygienic Single Seat Valves



Hygienic Bottom Seat Valve 90°

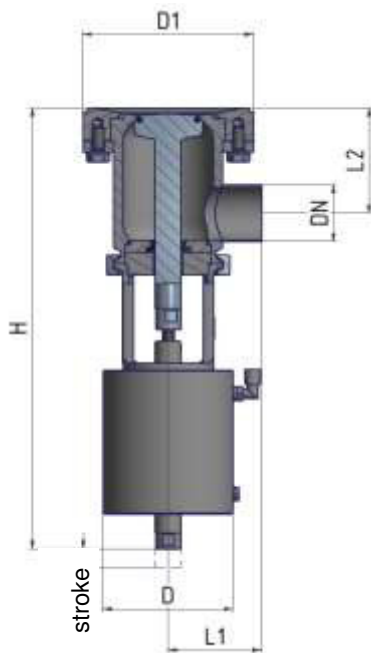
manual with crank handle



DN	Pipe	D1	H	L1	L2	Stroke	kg
25	29 x 1,5	108	320	60	68,5	18	3,7
40	41 x 1,5	133	330	70	73,5	18	6,7
50	53 x 1,5	146	420	80	94	20	7,6
65	70 x 2	173	450	95	112,5	25	10,1
80	85 x 2	186	475	105	124	33	12,5
100	104 x 2	217	520	120	155	35	16,9
1"	25,4 x 1,65	108	320	60	68,5	18	3,7
1 1/2"	38,1 x 1,65	133	330	70	73,5	18	6,7
2"	50,8 x 1,65	146	420	80	94	20	7,6
2 1/2"	63,5 x 1,65	173	450	95	112,5	25	10,1
3"	76,2 x 1,65	186	475	105	124	33	12,5
4"	101,6 x 2,11	217	520	120	155	35	16,9

Hygienic Bottom Seat Valve 90°

pneumatic – air to open-spring to close NC



DN	Pipe	D1	DZ	H	L1	L2	Stroke	kg
25	29 x 1,5	108	90	315	60	68,5	18	6,1
40	41 x 1,5	133	90	330	70	73,5	18	8,1
50	53 x 1,5	146	110	399	80	94	20	16,1
65	70 x 2	173	133	466	95	112,5	22	20,8
80	85 x 2	186	160	529	105	124	30	25,5
100	104 x 2	217	168	572	120	155	32	29,7
1"	25,4 x 1,65	108	90	315	60	68,5	18	6,1
1 1/2"	38,1 x 1,65	133	90	330	70	73,5	18	8,1
2"	50,8 x 1,65	146	110	399	80	94	20	16,1
2 1/2"	63,5 x 1,65	173	133	466	95	112,5	22	20,8
3"	76,2 x 1,65	186	160	529	105	124	30	25,5
4"	101,6 x 2,11	217	168	572	120	155	32	29,7



Hygienic Bottom Seat Valve 90°

manual with crank handle

EPDM	
DN	Reference Number
25	40740.1010.01.0004.32
40	40740.1010.01.0006.32
50	40740.1010.01.0007.32
65	40740.1010.01.0008.32
80	40740.1010.01.0009.32
100	40740.1010.01.0010.32
1"	40740.1010.01.0024.32
1 1/2"	40740.1010.01.0026.32
2"	40740.1010.01.0027.32
2 1/2"	40740.1010.01.0028.32
3"	40740.1010.01.0029.32
4"	40740.1010.01.0030.32

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge

Hygienic Bottom Seat Valve 90°

pneumatic – air to open-spring to close NC

EPDM	
DN	Reference Number
25	40710.1010.01.0004.32
40	40710.1010.01.0006.32
50	40710.1010.01.0007.32
65	40710.1010.01.0008.32
80	40710.1010.01.0009.32
100	40710.1010.01.0010.32
1"	40710.1010.01.0024.32
1 1/2"	40710.1010.01.0026.32
2"	40710.1010.01.0027.32
2 1/2"	40710.1010.01.0028.32
3"	40710.1010.01.0029.32
4"	40710.1010.01.0030.32

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge
see page 44

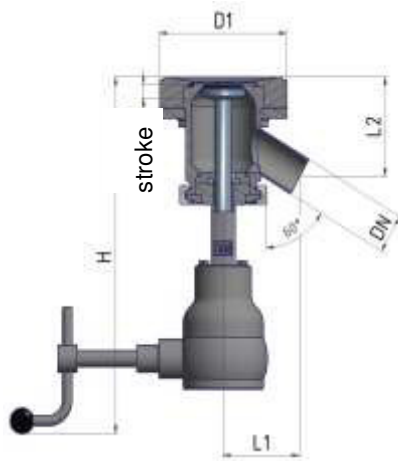


Hygienic Single Seat Valves



Hygienic Bottom Seat Valve 30°

manual with bevel gear drive



DN	Pipe	D1	Stroke	H	L1	L2	kg
25	29 x 1,5	108	18	335	65	85,5	6,4
40	41 x 1,5	133	18	345	80	94	8,1
50	53 x 1,5	146	20	395	85	110,5	9,5
65	70 x 2	173	22	420	100	132,5	12,7
80	85 x 2	186	30	455	115	146	14,7
100	104 x 2	217	32	500	150	188	19,1
1"	25,4 x 1,65	108	18	335	65	85,5	6,4
1 1/2"	38,1 x 1,65	133	18	345	80	94	8,1
2"	50,8 x 1,65	146	20	395	85	110,5	9,5
2 1/2"	63,5 x 1,65	173	22	420	100	132,5	12,7
3"	76,2 x 1,65	186	30	455	115	146	14,7
4"	101,6 x 2,11	217	32	500	150	188	19,1

In case of order we request dimension of handle extension.



Hygienic Bottom Seat Valve 30°

manual with bevel gear drive

EPDM

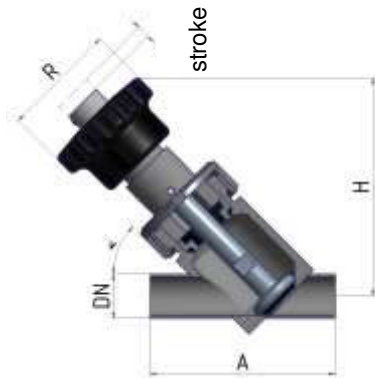
DN	Reference Number
25	40750.1000.01.0004.32
40	40750.1000.01.0006.32
50	40750.1000.01.0007.32
65	40750.1000.01.0008.32
80	40750.1000.01.0009.32
100	40750.1000.01.0010.32
1"	40750.1000.01.0024.32
1 1/2"	40750.1000.01.0026.32
2"	40750.1000.01.0027.32
2 1/2"	40750.1000.01.0028.32
3"	40750.1000.01.0029.32
4"	40750.1000.01.0030.32

Prices and weights without weld-in flange - upon request with rinsing inlet against surcharge see page 44



Hygienic Inclined Seat Valve

manual with plastic hand wheel



DIN	Pipe	A	<	R	H	Stroke	kg
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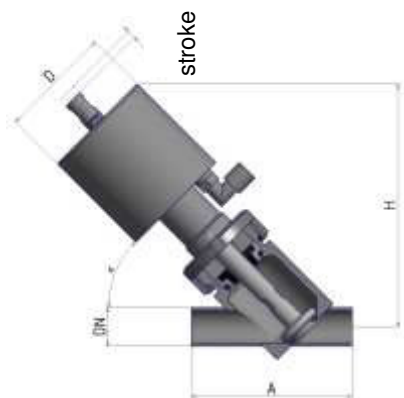
ca.

15	19 x 1,5	117	45°	66	103	10	
20	23 x 1,5	95	45°	66	103	10	

DN 15 = excentrically reduced DN 20/15

Hygienic Inclined Seat Valve

pneumatic – air to open-spring to close NC



DIN	Pipe	A	<	D	H	L	Stroke	kg
-----	------	---	---	---	---	---	--------	----

ca.

15	19 x 1,5	117	45°	64	145	195	10	
20	23 x 1,5	95	45°	64	145	175	10	

DN 15 = excentrically reduced DN 20/15



Hygienic Inclined Seat Valve

manual with plastic hand wheel

EPDM

DIN	Reference Number
15	40504.1000.01.0002.32
20	40504.1000.01.0003.32

Hygienic Inclined Seat Valve

pneumatic – air to open-spring to close NC

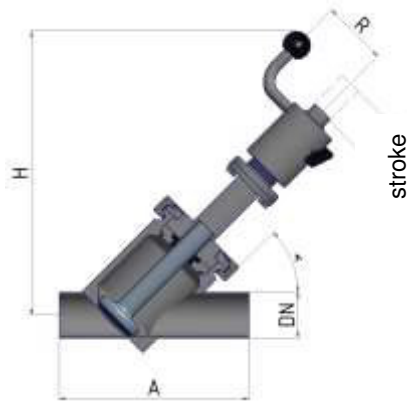
EPDM

DIN	Reference Number
15	40501.1000.01.0002.32
20	40501.1000.01.0003.32



Hygienic Inclined Seat Valve

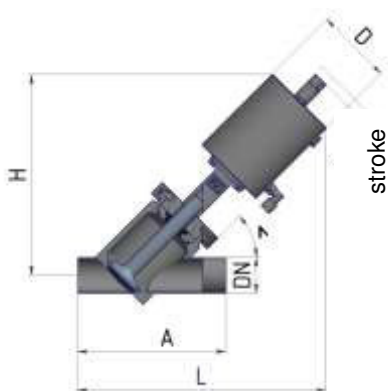
manual with crank handle



DN	Pipe	A	<	R	H	Stroke	kg
25	29 x 1,5	140	45°	73	275	18	5
40	41 x 1,5	170	45°	73	280	18	5,5
50	53 x 1,5	205	45°	90	355	22	10,5
65	70 x 2	250	40°	90	350	25	14
80	85 x 2	300	40°	90	365	33	23
100	104 x 2	350	40°	90	390	35	26
1"	25,4 x 1,65	140	45°	73	275	18	5
1 1/2"	38,1 x 1,65	170	45°	73	280	18	5,5
2"	50,8 x 1,65	205	45°	90	355	22	10,5
2 1/2"	63,5 x 1,65	250	40°	90	350	25	14
3"	76,2 x 1,65	300	40°	90	365	33	23
4"	101,6 x 2,11	350	40°	90	390	35	26

Hygienic Inclined Seat Valve

pneumatic – air to open-spring to close NC



DN	Pipe	A	<	D	H	Stroke	kg
25	29 x 1,5	140	45°	90	235	18	5,4
40	41 x 1,5	170	45°	90	240	18	6,2
50	53 x 1,5	205	45°	110	294	22	11
65	70 x 2	250	40°	133	325	25	15
80	85 x 2	300	40°	160	384	33	24,5
100	104 x 2	350	40°	168	392	35	28
1"	25,4 x 1,65	140	45°	90	235	18	5,4
1 1/2"	38,1 x 1,65	170	45°	90	240	18	6,2
2"	50,8 x 1,65	205	45°	110	294	22	11
2 1/2"	63,5 x 1,65	250	40°	133	325	25	15
3"	76,2 x 1,65	300	40°	160	384	33	24,5
4"	101,6 x 2,11	350	40°	168	392	35	28



Hygienic Inclined Seat Valve

manual with crank handle

EPDM

DN	Reference Number
25	40540.1000.01.0004.32
40	40540.1000.01.0006.32
50	40540.1000.01.0007.32
65	40540.1000.01.0008.32
80	40540.1000.01.0009.32
100	40540.1000.01.0010.32
1"	40540.1000.01.0024.32
1 1/2"	40540.1000.01.0026.32
2"	40540.1000.01.0027.32
2 1/2"	40540.1000.01.0028.32
3"	40540.1000.01.0029.32
4"	40540.1000.01.0030.32

Hygienic Inclined Seat Valve

pneumatic – air to open-spring to close NC

EPDM

DN	Reference Number
25	40510.1000.01.0004.32
40	40510.1000.01.0006.32
50	40510.1000.01.0007.32
65	40510.1000.01.0008.32
80	40510.1000.01.0009.32
100	40510.1000.01.0010.32
1"	40510.1000.01.0024.32
1 1/2"	40510.1000.01.0026.32
2"	40510.1000.01.0027.32
2 1/2"	40510.1000.01.0028.32
3"	40510.1000.01.0029.32
4"	40510.1000.01.0030.32

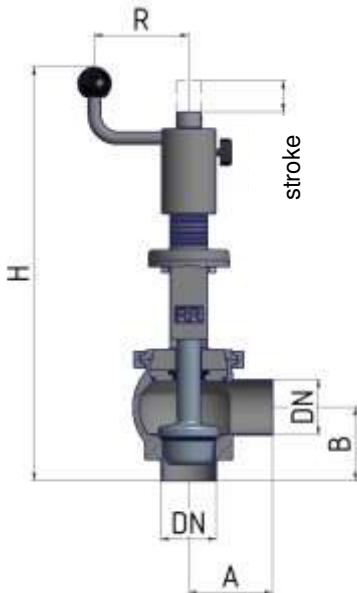


Hygienic Single Seat Valves



Hygienic Regulating Right Angle Valve

manual with crank handle

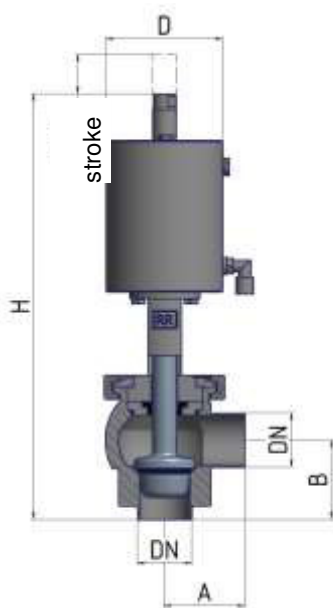


DN	Pipe	A	B	R	H	Stroke	kg
25	29 x 1,5	50	50	73	300	16	3,1
40	41 x 1,5	60	60	73	300	16	5,3
50	53 x 1,5	80	70	90	380	20,5	5,7
65	70 x 2	100	80	90	395	22	7,6
80	85 x 2	125	90	90	435	30	10,3
100	104 x 2	150	100	90	445	33	14,3
1"	25,4 x 1,65					16	3,1
1 1/2"	38,1 x 1,65	In case of order				16	5,3
2"	50,8 x 1,65	you get a 3D step file				20,5	5,7
2 1/2"	63,5 x 1,65	for your design department.				22	7,6
3"	76,2 x 1,65					30	10,3
4"	101,6 x 2,11					33	14,3

In case of order, details to working conditions are required like media, viscosity, temperature, incoming and outgoing pressure resp. pressure loss and flow quantity.

Hygienic Regulating Right Angle Valve

pneumatic – air to open-spring to close NC - for Bürkert Positioner



DN	Pipe	A	B	D	H	Stroke	kg
25	29 x 1,5	50	50	90	305	16	5,1
40	41 x 1,5	60	60	90	315	16	6,2
50	53 x 1,5	80	70	110	380	20,5	10,4
65	70 x 2	100	80	133	430	22	15,2
80	85 x 2	125	90	172	505	30	24,7
100	104 x 2	150	100	172	660	33	28,6
1"	25,4 x 1,65					16	5,1
1 1/2"	38,1 x 1,65	In case of order				16	6,2
2"	50,8 x 1,65	you get a 3D step file				20,5	10,4
2 1/2"	63,5 x 1,65	for your design department.				22	15,2
3"	76,2 x 1,65					30	24,7
4"	101,6 x 2,11					33	28,6

Weights without adapter and positioner.



Hygienic Regulating Right Angle Valve

manual with crank handle

DN	Reference Number EPDM
25	41040.1000.01.0004.32
40	41040.1000.01.0006.32
50	41040.1000.01.0007.32
65	41040.1000.01.0008.32
80	41040.1000.01.0009.32
100	41040.1000.01.0010.32
1"	41040.1000.01.0024.32
1 1/2"	41040.1000.01.0026.32
2"	41040.1000.01.0027.32
2 1/2"	41040.1000.01.0028.32
3"	41040.1000.01.0029.32
4"	41040.1000.01.0030.32

In case of order, details to working conditions are required like media, viscosity, temperature, incoming and outgoing pressure resp. pressure loss and flow quantity.

Hygienic Regulating Right Angle Valve

pneumatic – air to open-spring to close NC – for Bürkert Positioner

DN	Reference Number EPDM
25	41010.1000.01.0004.32
40	41010.1000.01.0006.32
50	41010.1000.01.0007.32
65	41010.1000.01.0008.32
80	41010.1000.01.0009.32
100	41010.1000.01.0010.32
1"	41010.1000.01.0024.32
1 1/2"	41010.1000.01.0026.32
2"	41010.1000.01.0027.32
2 1/2"	41010.1000.01.0028.32
3"	41010.1000.01.0029.32
4"	41010.1000.01.0030.32

plus surcharge for adapter and positioner 8692 or 8694 – see chapter 9 control tops



Gasket Kits

product side

DIN	EPDM		Viton
	Reference Number	Reference Number	Reference Number
10-20	5005458		5005459
25	5001272		5003239
40	5001615		5003789
50	5002464		5004367
65	5002340		5004368
80	5003551		5006557
100	5004329		5006348
Right angle valves Type L			
Double right angle valves Type T			
Cross valves Type TT			
Regulating right angle valves			

other sealing materials upon request

Gasket Kits

product side

DIN	EPDM		EPDM
	Reference Number	Reference Number	Reference Number
10-20	5004426		5001574
25	5003666		5004472
40	5001744		5004450
50	5002912		5005431
65	5002447		5005455
80	5003367		5005422
100	5004333		5004474
one-piece valve body		two-piece valve body	
Change over valves type LL and TL			

other sealing materials upon request



Gasket Kits

product side

EPDM	
DIN	Reference Number
10-20	5003296
25	5002121
40	5003447
50	5003221
65	5002755
80	5003295
100	5005155
10-20	5005114
Small valve	
Bottom seat valves	

other sealing materials upon request

Gasket Kits

product side

EPDM	
DIN	Reference Number
15-20	5002215
25	5002081
40	5002347
50	5001365
65	5001836
80	5001834
100	5002084
Inclined seat valves	

other sealing materials upon request



O-Ring for Weld-in Flange for Bottom Seat Valve

EPDM

DIN	Dimensions	Reference Number
10-20	32 x 3	1000171
25	50 x 5	1001206
40	58 x 5	1000115
50	72 x 5	1001208
65	90 x 5	1001491
80	100 x 5	1000812
100	130 x 5	1001401

other sealing materials upon request



Rinsing Port

for bottom seat valves

for all sizes

Ø 13 mm x 1,5 mm



Reference Number

900000003899

Material: 1.4404

position of rinsing inlet according to customer's request

other rinsing inlet sizes or materials upon request

Weld-in Devices for Weld-in Flanges

for bottom seat valves



DN	Reference Number	kg
10-20	5005332	0,7
25	5005615	1,0
40	5005616	1,3
50	5005617	3,5
65	5005618	4,5
80	5005516	5,1
100	5005614	6,8

Material: Aluminium

not discountable

for protection of valve seat

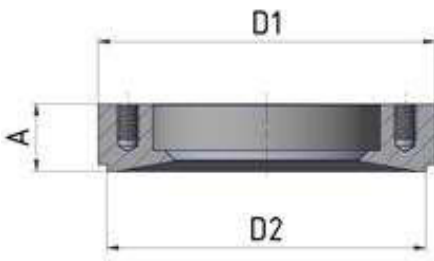
almost indefinitely reusable if used properly

more details upon request



Weld-in Flanges

for bottom seat valves – with EPDM O-ring



DIN	Reference Number	D1	D2	A	ISO	kg
10-20	40700.0000.01.0001.31	75	68	16,5	10-15	1,0
25	40700.0000.01.0004.31	108	100	23	20	1,6
40	40700.0000.01.0006.31	133	125	29	32	1,8
50	40700.0000.01.0007.31	146	138	29	40-50	2,2
65	40700.0000.01.0008.31	173	165	30	65	3,0
80	40700.0000.01.0009.31	186	176	33,5	80	3,4
100	40700.0000.01.0010.31	217	209	34	100	4,5

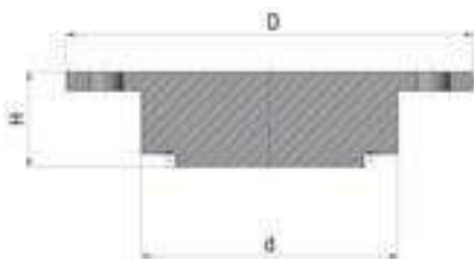
Material: 1.4404

for wall thickness 3 mm

for other wall thickness upon request

Blind Flanges (= Counter parts to weld-in flanges)

for bottom seat valves – with EPDM O-ring



DIN	Reference Number	D	d	H	kg
10-20	5004640	75	50	20,9	0,9
25	5004620	108	71	25,8	1,5
40	5003009	133	84	30,6	1,7
50	5003005	146	98	30,6	2,1
65	5003006	173	119	31,1	2,8
80	5003007	186	138	35	3,2
100	5003008	217	167	35	4,2

Material: 1.4404

not discountable



Leakage Drain

for leakag ports



Inch	Reference number		
1/8"	5030018		
A	B	C	D
1/8"	8 x 1	78,5	100

not discountable



Hygienic Mix Proof Valves



RIEGER-Hygienic mix proof valves guarantee reliable protection for your liquid product, as they completely separate non-compatible liquids. For years, they have been proven in plants of the beverage and brewery industries, of pharmaceutical as well as of food and dairy industries. The design of the one-part solid valve body and the radial sealing of both valve seats together with the balanced valve disks allow completely safe CIP/SIP-cleaning and so guarantee extremely high safety for your products. For further details concerning RIEGER-mix proof valves ask for our prospectus.

Your advantages

Design	one-piece valve body made from solid bar no weld torsion light: DN 100 only 35 kg only 4 seals in product space safe CIP/SIP-cleaning
Absolute product safety	vacuum safe: If vacuum in lower line a spring buffers vacuum in actuator. balanced valve disks radial sealing of both valve seats no impact between Valve disk and body – no need of impact buffering cylinder no soiling behind the O-rings
Serviceable maintenance	change of seals without special tools service without danger (spring in cage) service possible without compressed air low need of control air pressure DN 100: main stroke 7 l with 6 bar valve insert completely removable upwards easy cleaning by lifting of both disks
Efficiency	standard O-rings standard actuator with 2 lift functions fewest seal quantity on the market low water demand e.g. DN 65 KV-value cleaning 1,4 m ³ /h low pressure loss: 0 to 0,05 bar (0,8 psi)
Material	in product contact 1.4404/AISI316L optional 1.4435/AISI316L non product contact 1.4301/AISI304
Seals	
Temperatures maximum	operating temperature 130°C* sterilization temperature 150°C* short-time (approx. 20 min)*
Operating pressure	closing tension N1, N3 max. 10 bar (145 psi) closing tension N5, N9 max. 4 bar (58 psi) on tank side; other 10 bar (145 psi) actuator air pressure min. 6 bar (87 psi) - max. 10 bar (145 psi) N1 water hammer safe up to 30 bar
Surfaces	in product contact Ra <= 0,8 µm (32 µin) non product contact Ra <= 1,6 µm (64 µin)



version N1

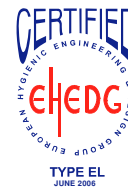
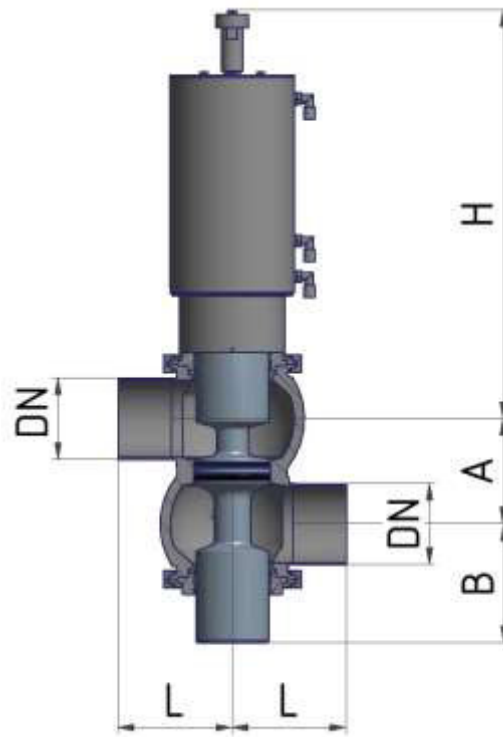


*dependent upon operating conditions



Hygienic Mix Proof Valve N1 DIN EHEDG

pneumatic – air to open-spring to close NC



Valve body combinations



DIN	Pipe	A	B	L	H	kg
25	29 x 1,5	75	74	70	335	12
40	41 x 1,5	76	87	100	379	17
50	53 x 1,5	79	97	100	385	18
65	70 x 2	95	109	100	398	19
80	85 x 2	110	124	125	426	30
100	104 x 2	129	133	150	436	35
125	129 x 2	157	156	175	552	62
150	154 x 2	182	175	175	548	75
200	204 x 2	upon request				



Hygienic Mix Proof Valve N1 DIN EHEDG

pneumatic – air to open-spring to close NC

Type N1.01.001 - A-E		Type N1.02.001 - A-B-C
DIN	Reference Number	Reference Number
25	30100.1100.01.0404.32	30100.1200.01.0404.32
40	30100.1100.01.0606.32	30100.1200.01.0606.32
50	30100.1100.01.0707.32	30100.1200.01.0707.32
65	30100.1100.01.0808.32	30100.1200.01.0808.32
80	30100.1100.01.0909.32	30100.1200.01.0909.32
100	30100.1100.01.1010.32	30100.1200.01.1010.32
125	30100.1100.01.1111.32	30100.1200.01.1111.32
150	30100.1100.01.1212.32	30100.1200.01.1212.32
200	upon request	upon request

Hygienic Mix Proof Valve N1 DIN EHEDG

pneumatic – air to open-spring to close NC

Type N1.03.001 - A-C-D		Type N1.04.001 - A-B-C-D
DIN	Reference Number	Reference Number
25	30100.1300.01.0404.32	30100.1400.01.0404.32
40	30100.1300.01.0606.32	30100.1400.01.0606.32
50	30100.1300.01.0707.32	30100.1400.01.0707.32
65	30100.1300.01.0808.32	30100.1400.01.0808.32
80	30100.1300.01.0909.32	30100.1400.01.0909.32
100	30100.1300.01.1010.32	30100.1400.01.1010.32
125	30100.1300.01.1111.32	30100.1400.01.1111.32
150	30100.1300.01.1212.32	30100.1400.01.1212.32
200	upon request	upon request



Hygienic Mix Proof Valve N1 DIN EHEDG

pneumatic – air to open-spring to close NC

Type N1.05.001 - A-C

DIN	Reference Number
25	30100.1500.01.0404.32
40	30100.1500.01.0606.32
50	30100.1500.01.0707.32
65	30100.1500.01.0808.32
80	30100.1500.01.0909.32
100	30100.1500.01.1010.32
125	30100.1500.01.1111.32
150	30100.1500.01.1212.32
200	upon request



Hygienic Mix Proof Valve N1 DIN sterilizable EHEDG

pneumatic – air to open-spring to close NC

Type N1.21.001 - A-E		Type N1.22.001 - A-B-C
DIN	Reference Number	Reference Number
25	30102.1100.01.0404.32	30102.1200.01.0404.32
40	30102.1100.01.0606.32	30102.1200.01.0606.32
50	30102.1100.01.0707.32	30102.1200.01.0707.32
65	30102.1100.01.0808.32	30102.1200.01.0808.32
80	30102.1100.01.0909.32	30102.1200.01.0909.32
100	30102.1100.01.1010.32	30102.1200.01.1010.32
125	30102.1100.01.1111.32	30102.1200.01.1111.32
150	30102.1100.01.1212.32	30102.1200.01.1212.32
200	upon request	upon request

Hygienic Mix Proof Valve N1 DIN sterilizable EHEDG

pneumatic – air to open-spring to close NC

Type N1.23.001 - A-C-D		Type N1.24.001 - A-B-C-D
DIN	Reference Number	Reference Number
25	30102.1300.01.0404.32	30102.1400.01.0404.32
40	30102.1300.01.0606.32	30102.1400.01.0606.32
50	30102.1300.01.0707.32	30102.1400.01.0707.32
65	30102.1300.01.0808.32	30102.1400.01.0808.32
80	30102.1300.01.0909.32	30102.1400.01.0909.32
100	30102.1300.01.1010.32	30102.1400.01.1010.32
125	30102.1300.01.1111.32	30102.1400.01.1111.32
150	30102.1300.01.1212.32	30102.1400.01.1212.32
200	upon request	upon request



Hygienic Mix Proof Valve N1 DIN sterilizable EHEDG

pneumatic – air to open-spring to close NC

Type N1.25.001 - A-C

DIN	Reference Number
25	30102.1500.01.0404.32
40	30102.1500.01.0606.32
50	30102.1500.01.0707.32
65	30102.1500.01.0808.32
80	30102.1500.01.0909.32
100	30102.1500.01.1010.32
125	30102.1500.01.1111.32
150	30102.1500.01.1212.32
200	upon request

stroking without loss – valve disks liftable

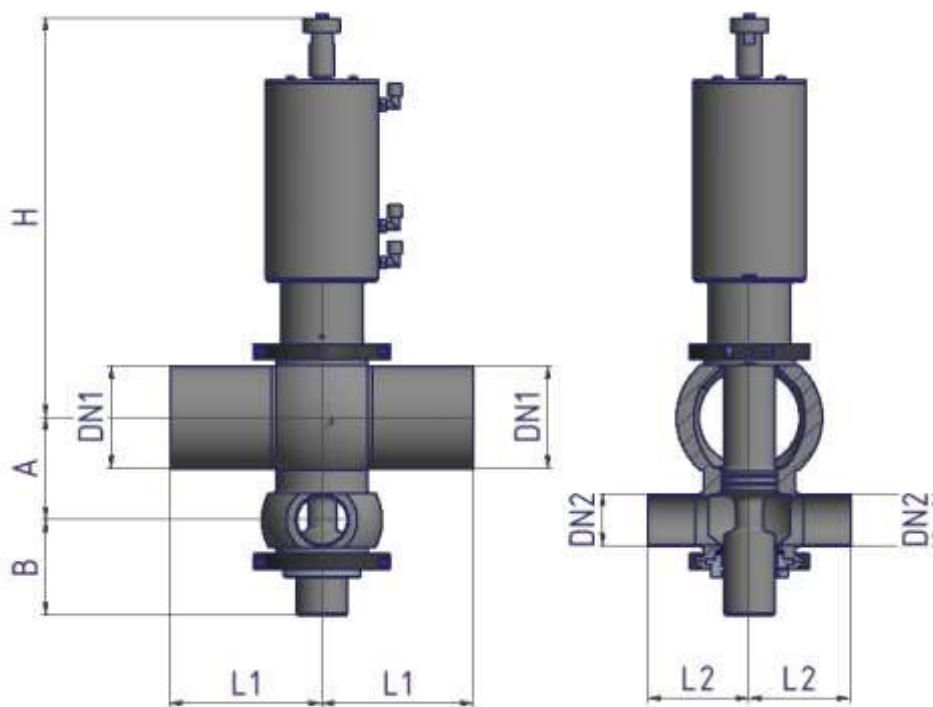




Hygienic Mix Proof Valve N1 DIN reduced EHEDG

pneumatic – air to open-spring to close NC

Type 150 – upper body large – lower body small



DN 1	DN 2	Pipe	A	B	L1	L2	H	kg
50	40	53x1,5 / 41x1,5	85	92	100	85	385	17,5
65	40	70x2 / 41x1,5	93	91	100	100	393	19,3
65	50	70x2 / 53x1,5	87	97	100	100	393	19,3
80	40	85x2 / 41x1,5	93	87	125	110	397	20,2
80	50	85x2 / 53x1,5	94,5	97	125	100	397	20,4
80	65	85x2 / 70x2	102,5	109	125	100	400	20,5
100	50	104x2 / 53x1,5	104	97	150	100	410	21,5
100	65	104x2 / 70x2	112	109	150	100	410	22,0
100	80	104x2 / 85x2	119,5	129	150	125	436	32,5
125	80	129x2 / 85x2	132	124	175	125	448	34,5
125	100	129x2 / 104x2	141,5	133	175	150	448	36,0

In case of order, your get a 3D step file for design department.
Installation dimensions for other combinations upon request



Hygienic Mix Proof Valve N1 DIN reduced EHEDG

pneumatic – air to open-spring to close NC

Type N1.01.150 - A-E		Type N1.02.150 - A-B-C
upper body large – lower body small		
DIN	Reference Number	Reference Number
50/40	30100.1100.01.0706.32	30100.1200.01.0706.32
65/40	30100.1100.01.0806.32	30100.1200.01.0806.32
65/50	30100.1100.01.0807.32	30100.1200.01.0807.32
80/40	30100.1100.01.0906.32	30100.1200.01.0906.32
80/50	30100.1100.01.0907.32	30100.1200.01.0907.32
80/65	30100.1100.01.0908.32	30100.1200.01.0908.32
100/40	30100.1100.01.1006.32	30100.1200.01.1006.32
100/50	30100.1100.01.1007.32	30100.1200.01.1007.32
100/65	30100.1100.01.1008.32	30100.1200.01.1008.32
100/80	30100.1100.01.1009.32	30100.1200.01.1009.32
125/40	30100.1100.01.1106.32	30100.1200.01.1106.32
125/50	30100.1100.01.1107.32	30100.1200.01.1107.32
125/65	30100.1100.01.1108.32	30100.1200.01.1108.32
125/80	30100.1100.01.1109.32	30100.1200.01.1109.32
125/100	30100.1100.01.1110.32	30100.1200.01.1110.32
150/40	30100.1100.01.1206.32	30100.1200.01.1206.32
150/50	30100.1100.01.1207.32	30100.1200.01.1207.32
150/65	30100.1100.01.1208.32	30100.1200.01.1208.32
150/80	30100.1100.01.1209.32	30100.1200.01.1209.32
150/100	30100.1100.01.1210.32	30100.1200.01.1210.32
150/125	30100.1100.01.1211.32	30100.1200.01.1211.32



Hygienic Mix Proof Valve N1 DIN reduced EHEDG

pneumatic – air to open-spring to close NC

Type N1.03.150 - A-C-D		Type N1.04.150 - A-B-C-D
upper body large – lower body small		
DIN	Reference Number	Reference Number
50/40	30100.1300.01.0706.32	30100.1400.01.0706.32
65/40	30100.1300.01.0806.32	30100.1400.01.0806.32
65/50	30100.1300.01.0807.32	30100.1400.01.0807.32
80/40	30100.1300.01.0906.32	30100.1400.01.0906.32
80/50	30100.1300.01.0907.32	30100.1400.01.0907.32
80/65	30100.1300.01.0908.32	30100.1400.01.0908.32
100/40	30100.1300.01.1006.32	30100.1400.01.1006.32
100/50	30100.1300.01.1007.32	30100.1400.01.1007.32
100/65	30100.1300.01.1008.32	30100.1400.01.1008.32
100/80	30100.1300.01.1009.32	30100.1400.01.1009.32
125/40	30100.1300.01.1106.32	30100.1400.01.1106.32
125/50	30100.1300.01.1107.32	30100.1400.01.1107.32
125/65	30100.1300.01.1108.32	30100.1400.01.1108.32
125/80	30100.1300.01.1109.32	30100.1400.01.1109.32
125/100	30100.1300.01.1110.32	30100.1400.01.1110.32
150/40	30100.1300.01.1206.32	30100.1400.01.1206.32
150/50	30100.1300.01.1207.32	30100.1400.01.1207.32
150/65	30100.1300.01.1208.32	30100.1400.01.1208.32
150/80	30100.1300.01.1209.32	30100.1400.01.1209.32
150/100	30100.1300.01.1210.32	30100.1400.01.1210.32
150/125	30100.1300.01.1211.32	30100.1400.01.1211.32



Hygienic Mix Proof Valve N1 DIN reduced EHEDG

pneumatic – air to open-spring to close NC

Type N1.05.150 - A-C

upper body large – lower body small

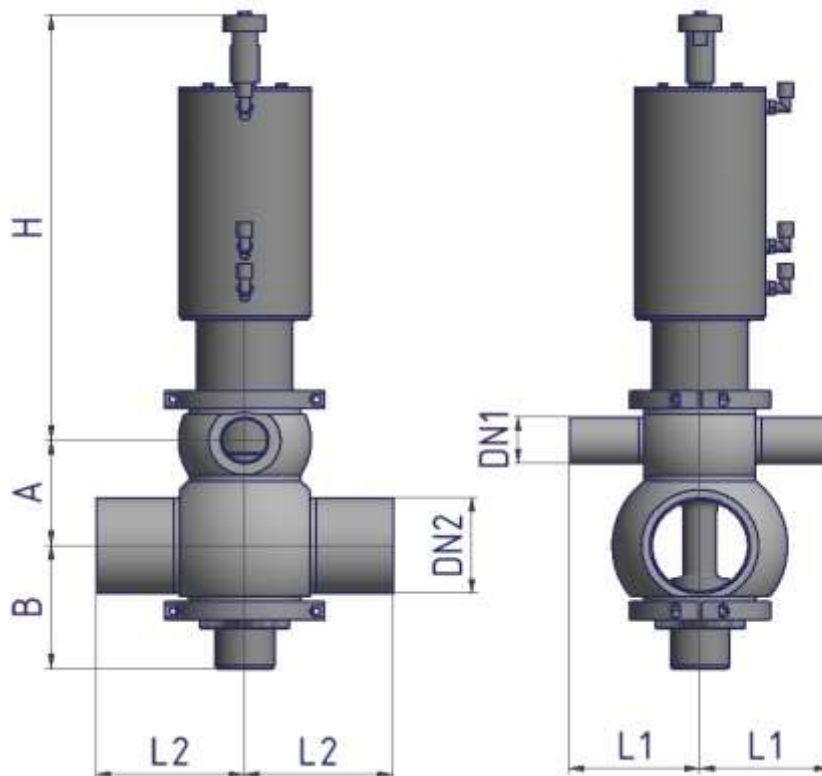
DIN	Reference Number
50/40	30100.1500.01.0706.32
65/40	30100.1500.01.0806.32
65/50	30100.1500.01.0807.32
80/40	30100.1500.01.0906.32
80/50	30100.1500.01.0907.32
80/65	30100.1500.01.0908.32
100/40	30100.1500.01.1006.32
100/50	30100.1500.01.1007.32
100/65	30100.1500.01.1008.32
100/80	30100.1500.01.1009.32
125/40	30100.1500.01.1106.32
125/50	30100.1500.01.1107.32
125/65	30100.1500.01.1108.32
125/80	30100.1500.01.1109.32
125/100	30100.1500.01.1110.32
150/40	30100.1500.01.1206.32
150/50	30100.1500.01.1207.32
150/65	30100.1500.01.1208.32
150/80	30100.1500.01.1209.32
150/100	30100.1500.01.1210.32
150/125	30100.1500.01.1211.32



Hygienic Mix Proof Valve N1 DIN reduced EHEDG

pneumatic – air to open-spring to close NC

Type 200 – upper body small – lower body large



DN1	DN 2	Pipe	A	B	L1	L2	H	kg
25	50	29x1,5 / 53x1,5	67	97	118	100	400	18,0
25	65	29x1,5 / 70x2	87	105	100	100	385	19,3
40	65	41x1,5 / 70x2	93	105	100	100	379	19,4
40	80	41x1,5 / 85x2	93	109	110	125	379	20,7
50	80	53x1,5 / 85x2	100	110	100	125	384	19,6
65	80	70x2 / 85x2	102,5	117	100	125	397	20,8
65	100	70x2 / 104x2	112	127	100	150	397	21,0
80	100	85x2 / 104x2	119,5	132	125	150	426	32,9
80	125	85x2 / 129x2	132	144	125	175	426	33,0

In case of order, your get a 3D step file for your design department.
Installation dimensions for other combinations upon request



Hygienic Mix Proof Valve N1 DIN reduced EHEDG

pneumatic – air top open-spring to close NC

Type N1.01.200 - A-E

Type N1.02.200 - A-B-C

upper body small – lower body large

DIN	Reference Number	Reference Number
25/50	30100.1100.01.0407.32	30100.1200.01.0407.32
25/65	30100.1100.01.0408.32	30100.1200.01.0408.32
40/65	30100.1100.01.0608.32	30100.1200.01.0608.32
50/65	30100.1100.01.0708.32	30100.1200.01.0708.32
40/80	30100.1100.01.0609.32	30100.1200.01.0609.32
50/80	30100.1100.01.0709.32	30100.1200.01.0709.32
65/80	30100.1100.01.0809.32	30100.1200.01.0809.32
40/100	30100.1100.01.0610.32	30100.1200.01.0610.32
50/100	30100.1100.01.0710.32	30100.1200.01.0710.32
65/100	30100.1100.01.0810.32	30100.1200.01.0810.32
80/100	30100.1100.01.0910.32	30100.1200.01.0910.32
40/125	30100.1100.01.0611.32	30100.1200.01.0611.32
50/125	30100.1100.01.0711.32	30100.1200.01.0711.32
65/125	30100.1100.01.0811.32	30100.1200.01.0811.32
80/125	30100.1100.01.0911.32	30100.1200.01.0911.32
100/125	30100.1100.01.1011.32	30100.1200.01.1011.32
40/150	30100.1100.01.0612.32	30100.1200.01.0612.32
50/150	30100.1100.01.0712.32	30100.1200.01.0712.32
65/150	30100.1100.01.0812.32	30100.1200.01.0812.32
80/150	30100.1100.01.0912.32	30100.1200.01.0912.32
100/150	30100.1100.01.1012.32	30100.1200.01.1012.32
125/150	30100.1100.01.1112.32	30100.1200.01.1112.32



Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N1 DIN reduced EHEDG

pneumatic – air top open-spring to close NC

Type N1.03.200 - A-C-D		Type N1.04.200 - A-B-C-D	
upper body small – lower body large			
DIN	Reference Number	DIN	Reference Number
25/50	30100.1300.01.0407.32	30100.1400.01.0407.32	
25/65	30100.1300.01.0408.32	30100.1400.01.0408.32	
40/65	30100.1300.01.0608.32	30100.1400.01.0608.32	
50/65	30100.1300.01.0708.32	30100.1400.01.0708.32	
40/80	30100.1300.01.0609.32	30100.1400.01.0609.32	
50/80	30100.1300.01.0709.32	30100.1400.01.0709.32	
65/80	30100.1300.01.0809.32	30100.1400.01.0809.32	
40/100	30100.1300.01.0610.32	30100.1400.01.0610.32	
50/100	30100.1300.01.0710.32	30100.1400.01.0710.32	
65/100	30100.1300.01.0810.32	30100.1400.01.0810.32	
80/100	30100.1300.01.0910.32	30100.1400.01.0910.32	
40/125	30100.1300.01.0611.32	30100.1400.01.0611.32	
50/125	30100.1300.01.0711.32	30100.1400.01.0711.32	
65/125	30100.1300.01.0811.32	30100.1400.01.0811.32	
80/125	30100.1300.01.0911.32	30100.1400.01.0911.32	
100/125	30100.1300.01.1011.32	30100.1400.01.1011.32	
40/150	30100.1300.01.0612.32	30100.1400.01.0612.32	
50/150	30100.1300.01.0712.32	30100.1400.01.0712.32	
65/150	30100.1300.01.0812.32	30100.1400.01.0812.32	
80/150	30100.1300.01.0912.32	30100.1400.01.0912.32	
100/150	30100.1300.01.1012.32	30100.1400.01.1012.32	
125/150	30100.1300.01.1112.32	30100.1400.01.1112.32	



Hygienic Mix Proof Valve N1 DIN reduced EHEDG

pneumatic – air top open-spring to close NC

Type N1.05.200 - A-C

upper body small – lower body large

DIN	Reference Number
25/50	30100.1500.01.0407.32
25/65	30100.1500.01.0408.32
40/65	30100.1500.01.0608.32
50/65	30100.1500.01.0708.32
40/80	30100.1500.01.0609.32
50/80	30100.1500.01.0709.32
65/80	30100.1500.01.0809.32
40/100	30100.1500.01.0610.32
50/100	30100.1500.01.0710.32
65/100	30100.1500.01.0810.32
80/100	30100.1500.01.0910.32
40/125	30100.1500.01.0611.32
50/125	30100.1500.01.0711.32
65/125	30100.1500.01.0811.32
80/125	30100.1500.01.0911.32
100/125	30100.1500.01.1011.32
40/150	30100.1500.01.0612.32
50/150	30100.1500.01.0712.32
65/150	30100.1500.01.0812.32
80/150	30100.1500.01.0912.32
100/150	30100.1500.01.1012.32
125/150	30100.1500.01.1112.32



Hygienic Mix Proof Valve N1 DIN reduced sterilizable EHEDG

pneumatic – air top open-spring to close NC

Type N1.21.150 - A-E

Type N1.22.150 - A-B-C

upper body large – lower body small

DIN	Reference Number	Reference Number
50/40	30102.1100.01.0706.32	30102.1200.01.0706.32
65/40	30102.1100.01.0806.32	30102.1200.01.0806.32
65/50	30102.1100.01.0807.32	30102.1200.01.0807.32
80/40	30102.1100.01.0906.32	30102.1200.01.0906.32
80/50	30102.1100.01.0907.32	30102.1200.01.0907.32
80/65	30102.1100.01.0908.32	30102.1200.01.0908.32
100/40	30102.1100.01.1006.32	30102.1200.01.1006.32
100/50	30102.1100.01.1007.32	30102.1200.01.1007.32
100/65	30102.1100.01.1008.32	30102.1200.01.1008.32
100/80	30102.1100.01.1009.32	30102.1200.01.1009.32
125/40	30102.1100.01.1106.32	30102.1200.01.1106.32
125/50	30102.1100.01.1107.32	30102.1200.01.1107.32
125/65	30102.1100.01.1108.32	30102.1200.01.1108.32
125/80	30102.1100.01.1109.32	30102.1200.01.1109.32
125/100	30102.1100.01.1110.32	30102.1200.01.1110.32
150/40	30102.1100.01.1206.32	30102.1200.01.1206.32
150/50	30102.1100.01.1207.32	30102.1200.01.1207.32
150/65	30102.1100.01.1208.32	30102.1200.01.1208.32
150/80	30102.1100.01.1209.32	30102.1200.01.1209.32
150/100	30102.1100.01.1210.32	30102.1200.01.1210.32
150/125	30102.1100.01.1211.32	30102.1200.01.1211.32



Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N1 reduced sterilizable EHEDG

pneumatic – air top open-spring to close NC

Type N1.23.150 - A-C-D		Type N1.24.150 - A-B-C-D
upper body large – lower body small		
DIN	Reference Number	Reference Number
50/40	30102.1300.01.0706.32	30102.1400.01.0706.32
65/40	30102.1300.01.0806.32	30102.1400.01.0806.32
65/50	30102.1300.01.0807.32	30102.1400.01.0807.32
80/40	30102.1300.01.0906.32	30102.1400.01.0906.32
80/50	30102.1300.01.0907.32	30102.1400.01.0907.32
80/65	30102.1300.01.0908.32	30102.1400.01.0908.32
100/40	30102.1300.01.1006.32	30102.1400.01.1006.32
100/50	30102.1300.01.1007.32	30102.1400.01.1007.32
100/65	30102.1300.01.1008.32	30102.1400.01.1008.32
100/80	30102.1300.01.1009.32	30102.1400.01.1009.32
125/40	30102.1300.01.1106.32	30102.1400.01.1106.32
125/50	30102.1300.01.1107.32	30102.1400.01.1107.32
125/65	30102.1300.01.1108.32	30102.1400.01.1108.32
125/80	30102.1300.01.1109.32	30102.1400.01.1109.32
125/100	30102.1300.01.1110.32	30102.1400.01.1110.32
150/40	30102.1300.01.1206.32	30102.1400.01.1206.32
150/50	30102.1300.01.1207.32	30102.1400.01.1207.32
150/65	30102.1300.01.1208.32	30102.1400.01.1208.32
150/80	30102.1300.01.1209.32	30102.1400.01.1209.32
150/100	30102.1300.01.1210.32	30102.1400.01.1210.32
150/125	30102.1300.01.1211.32	30102.1400.01.1211.32



Hygienic Mix Proof Valve N1 reduced sterilizable EHEDG

pneumatic – air top open-spring to close NC

Type N1.25.150 - A-C

upper body large – lower body small

DIN	Reference Number
50/40	30102.1500.01.0706.32
65/40	30102.1500.01.0806.32
65/50	30102.1500.01.0807.32
80/40	30102.1500.01.0906.32
80/50	30102.1500.01.0907.32
80/65	30102.1500.01.0908.32
100/40	30102.1500.01.1006.32
100/50	30102.1500.01.1007.32
100/65	30102.1500.01.1008.32
100/80	30102.1500.01.1009.32
125/40	30102.1500.01.1106.32
125/50	30102.1500.01.1107.32
125/65	30102.1500.01.1108.32
125/80	30102.1500.01.1109.32
125/100	30102.1500.01.1110.32
150/40	30102.1500.01.1206.32
150/50	30102.1500.01.1207.32
150/65	30102.1500.01.1208.32
150/80	30102.1500.01.1209.32
150/100	30102.1500.01.1210.32
150/125	30102.1500.01.1211.32



Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N1 DIN reduced sterilizable EHEDG

pneumatic – air top open-spring to close NC

Type N1.21.200 - A-E

Type N1.22.200 - A-B-C

upper body small – lower body large

DIN	Reference Number	Reference Number
25/50	30102.1100.01.0407.32	30102.1200.01.0407.32
25/65	30102.1100.01.0408.32	30102.1200.01.0408.32
40/65	30102.1100.01.0608.32	30102.1200.01.0608.32
50/65	30102.1100.01.0708.32	30102.1200.01.0708.32
40/80	30102.1100.01.0609.32	30102.1200.01.0609.32
50/80	30102.1100.01.0709.32	30102.1200.01.0709.32
65/80	30102.1100.01.0809.32	30102.1200.01.0809.32
40/100	30102.1100.01.0610.32	30102.1200.01.0610.32
50/100	30102.1100.01.0710.32	30102.1200.01.0710.32
65/100	30102.1100.01.0810.32	30102.1200.01.0810.32
80/100	30102.1100.01.0910.32	30102.1200.01.0910.32
40/125	30102.1100.01.0611.32	30102.1200.01.0611.32
50/125	30102.1100.01.0711.32	30102.1200.01.0711.32
65/125	30102.1100.01.0811.32	30102.1200.01.0811.32
80/125	30102.1100.01.0911.32	30102.1200.01.0911.32
100/125	30102.1100.01.1011.32	30102.1200.01.1011.32
40/150	30102.1100.01.0612.32	30102.1200.01.0612.32
50/150	30102.1100.01.0712.32	30102.1200.01.0712.32
65/150	30102.1100.01.0812.32	30102.1200.01.0812.32
80/150	30102.1100.01.0912.32	30102.1200.01.0912.32
100/150	30102.1100.01.1012.32	30102.1200.01.1012.32
125/150	30102.1100.01.1112.32	30102.1200.01.1112.32



Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N1 DIN reduced sterilizable EHEDG

pneumatic – air top open-spring to close NC

Type N1.23.200 - A-C-D		Type N1.24.200 - A-B-C-D	
upper body small – lower body large			
DIN	Reference Number	DIN	Reference Number
25/50	30102.1300.01.0407.32	30102.1400.01.0407.32	
25/65	30102.1300.01.0408.32	30102.1400.01.0408.32	
40/65	30102.1300.01.0608.32	30102.1400.01.0608.32	
50/65	30102.1300.01.0708.32	30102.1400.01.0708.32	
40/80	30102.1300.01.0609.32	30102.1400.01.0609.32	
50/80	30102.1300.01.0709.32	30102.1400.01.0709.32	
65/80	30102.1300.01.0809.32	30102.1400.01.0809.32	
40/100	30102.1300.01.0610.32	30102.1400.01.0610.32	
50/100	30102.1300.01.0710.32	30102.1400.01.0710.32	
65/100	30102.1300.01.0810.32	30102.1400.01.0810.32	
80/100	30102.1300.01.0910.32	30102.1400.01.0910.32	
40/125	30102.1300.01.0611.32	30102.1400.01.0611.32	
50/125	30102.1300.01.0711.32	30102.1400.01.0711.32	
65/125	30102.1300.01.0811.32	30102.1400.01.0811.32	
80/125	30102.1300.01.0911.32	30102.1400.01.0911.32	
100/125	30102.1300.01.1011.32	30102.1400.01.1011.32	
40/150	30102.1300.01.0612.32	30102.1400.01.0612.32	
50/150	30102.1300.01.0712.32	30102.1400.01.0712.32	
65/150	30102.1300.01.0812.32	30102.1400.01.0812.32	
80/150	30102.1300.01.0912.32	30102.1400.01.0912.32	
100/150	30102.1300.01.1012.32	30102.1400.01.1012.32	
125/150	30102.1300.01.1112.32	30102.1400.01.1112.32	



Hygienic Mix Proof Valve N1 DIN reduced sterilizable EHEDG

pneumatic – air top open-spring to close NC

Type N1.25.200 - A-C

upper body small – lower body large

DIN	Reference Number
25/50	30102.1500.01.0407.32
25/65	30102.1500.01.0408.32
40/65	30102.1500.01.0608.32
50/65	30102.1500.01.0708.32
40/80	30102.1500.01.0609.32
50/80	30102.1500.01.0709.32
65/80	30102.1500.01.0809.32
40/100	30102.1500.01.0610.32
50/100	30102.1500.01.0710.32
65/100	30102.1500.01.0810.32
80/100	30102.1500.01.0910.32
40/125	30102.1500.01.0611.32
50/125	30102.1500.01.0711.32
65/125	30102.1500.01.0811.32
80/125	30102.1500.01.0911.32
100/125	30102.1500.01.1011.32
40/150	30102.1500.01.0612.32
50/150	30102.1500.01.0712.32
65/150	30102.1500.01.0812.32
80/150	30102.1500.01.0912.32
100/150	30102.1500.01.1012.32
125/150	30102.1500.01.1112.32

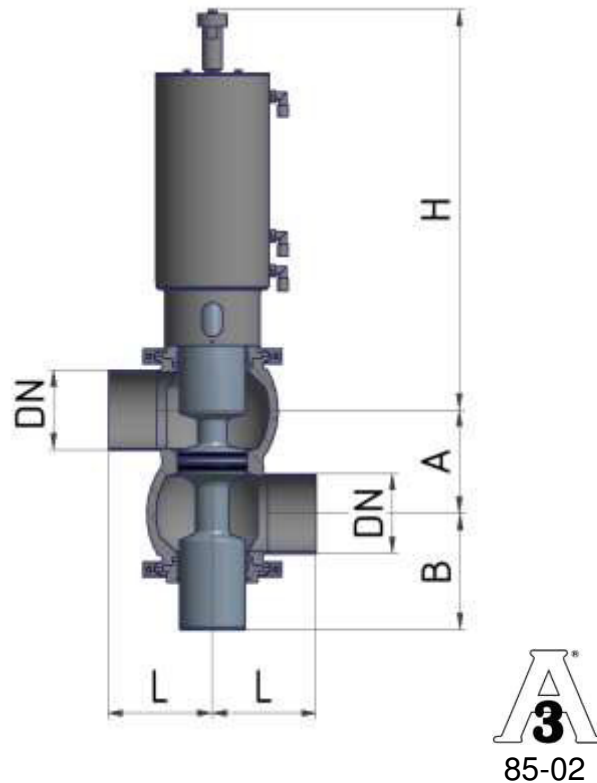


Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N1 Inch 3-A Standard 85-02

pneumatic – air top open-spring to close NC



Valve body combinations



Inch	Pipe	A	B	L	H	kg
1"	25,4 x 1,65	78,5	73	100	333	12
1 1/2"	38,1 x 1,65	79	85	100	378	17
2"	50,8 x 1,65	81,5	96	100	384	18
2 1/2"	63,5 x 1,65	100	107	100	394	19
3"	76,2 x 1,65	118	130	125	422	30
4"	101,6 x 2,11	131	132	150	435	35
6"		upon request				75



Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N1 Inch 3-A Standard 85-02

pneumatic – air top open-spring to close NC

Inch	Type N1.01.001 - A-E		Type N1.02.001 - A-B-C	
	Reference Number		Reference Number	
1"	30100.1100.01.2424.32		30100.1200.01.2424.32	
1 ½"	30100.1100.01.2626.32		30100.1200.01.2626.32	
2"	30100.1100.01.2727.32		30100.1200.01.2727.32	
2 ½"	30100.1100.01.2828.32		30100.1200.01.2828.32	
3"	30100.1100.01.2929.32		30100.1200.01.2929.32	
4"	30100.1100.01.3030.32		30100.1200.01.3030.32	
6"	30100.1100.01.3232.32		30100.1200.01.3232.32	

Hygienic Mix Proof Valve N1 Inch 3-A Standard 85-02

pneumatic – air to open-spring to close NC

Inch	Type N1.03.001 - A-C-D		Type N1.04.001 - A-B-C-D	
	Reference Number		Reference Number	
1"	30100.1300.01.2424.32		30100.1400.01.2424.32	
1 ½"	30100.1300.01.2626.32		30100.1400.01.2626.32	
2"	30100.1300.01.2727.32		30100.1400.01.2727.32	
2 ½"	30100.1300.01.2828.32		30100.1400.01.2828.32	
3"	30100.1300.01.2929.32		30100.1400.01.2929.32	
4"	30100.1300.01.3030.32		30100.1400.01.3030.32	
6"	30100.1300.01.3232.32		30100.1400.01.3232.32	



Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N1 Inch 3-A Standard 85-02

pneumatic – air top open-spring to close NC

Type N1.05.001 - A-C

Inch	Reference Number
1"	30100.1500.01.2424.32
1 ½"	30100.1500.01.2626.32
2"	30100.1500.01.2727.32
2 ½"	30100.1500.01.2828.32
3"	30100.1500.01.2929.32
4"	30100.1500.01.3030.32
6"	30100.1500.01.3232.32

stroking without loss – valve disks liftable



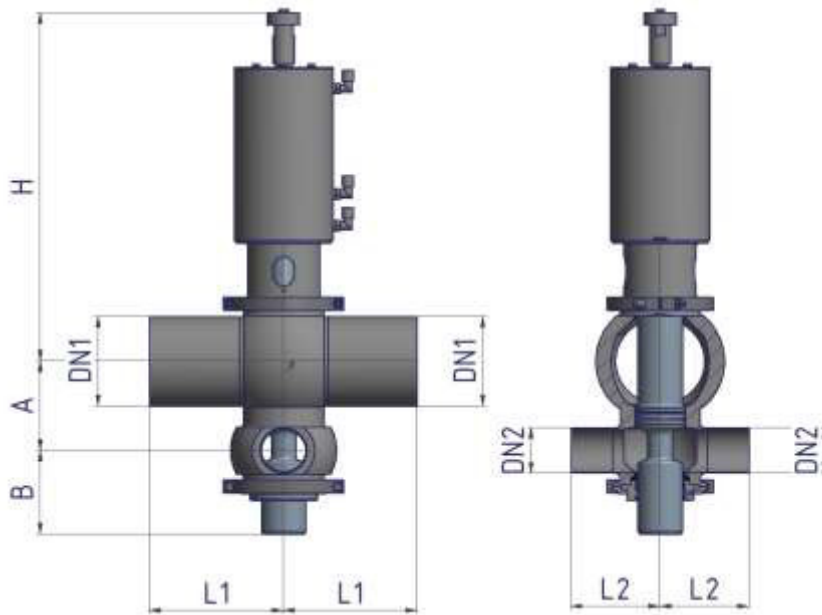
Hygienic Mix Proof Valves



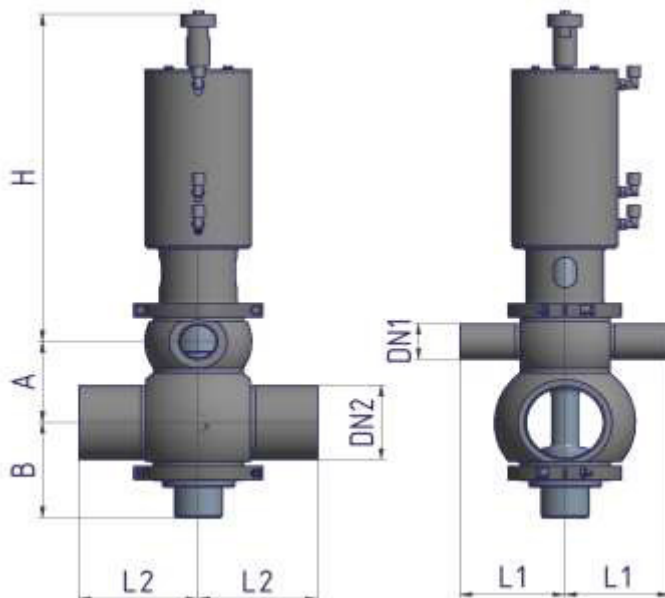
Hygienic Mix Proof Valve N1 reduced in Inch 3-A Standard 85-02

pneumatic – air top open-spring to close NC

Type 150 – upper body large – lower body small



Type 200 – upper body small – lower body large



Dimensions and prices upon request

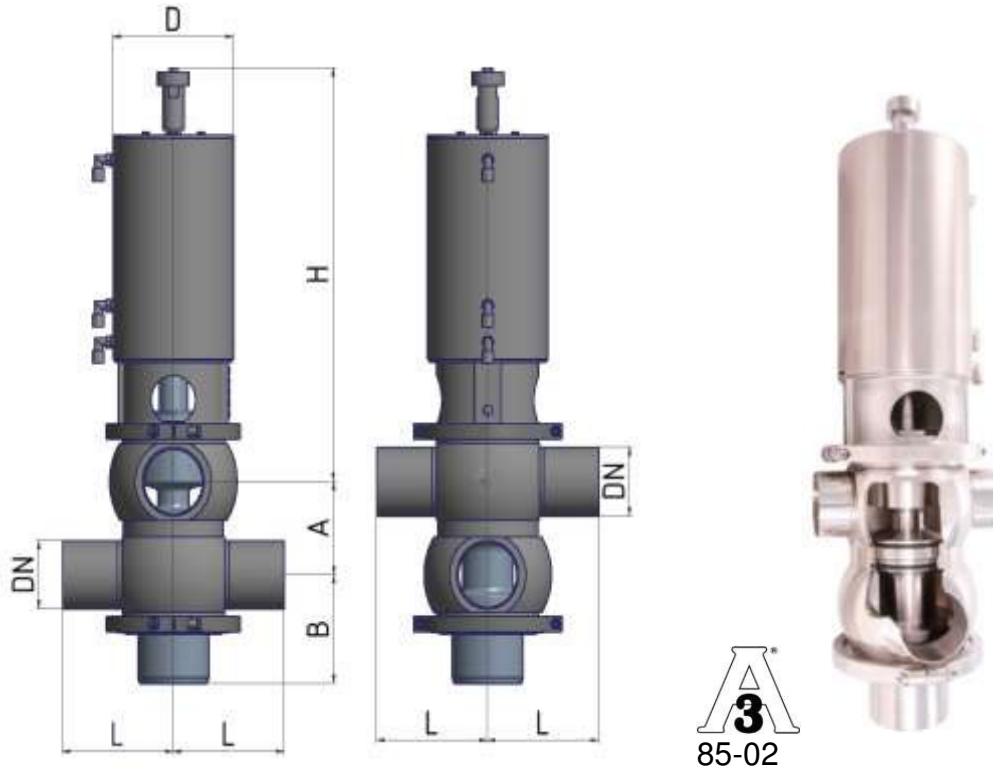


Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N2 DIN PMO 3-A Standard 85-02

pneumatic – air top open-spring to close NC



Valve body combinations



DIN	Pipe	A	B	L	H	Stroke	kg
40	41 x 1,5	76	86	100	385	33	17
50	53 x 1,5	81	97	125	390	35	18
65	70 x 2	95	114	125	420	40	19
80	85 x 2	110	116	150	427	44	30
100	104 x 2	129	141	175	525	54	35
125	129 x 2	157	160	175	535	54	62



Hygienic Mix Proof Valve N2 DIN PMO 3-A Standard 85-02

pneumatic – air top open-spring to close NC

DIN	Type N2.01.001 - A-E		Type N2.02.001 - A-B-C	
	DIN	Reference Number	DIN	Reference Number
40	32100.1100.01.0606.32	32100.1200.01.0606.32	32100.1200.01.0606.32	
50	32100.1100.01.0707.32	32100.1200.01.0707.32	32100.1200.01.0707.32	
65	32100.1100.01.0808.32	32100.1200.01.0808.32	32100.1200.01.0808.32	
80	32100.1100.01.0909.32	32100.1200.01.0909.32	32100.1200.01.0909.32	
100	32100.1100.01.1010.32	32100.1200.01.1010.32	32100.1200.01.1010.32	
125	32100.1100.01.1111.32	32100.1200.01.1111.32	32100.1200.01.1111.32	

Hygienic Mix Proof Valve N2 DIN PMO 3-A Standard 85-02

pneumatic – air top open-spring to close NC

DIN	Type N2.03.001 - A-C-D		Type N2.04.001 - A-B-C-D	
	DIN	Reference Number	DIN	Reference Number
40	32100.1300.01.0606.32	32100.1400.01.0606.32	32100.1400.01.0606.32	
50	32100.1300.01.0707.32	32100.1400.01.0707.32	32100.1400.01.0707.32	
65	32100.1300.01.0808.32	32100.1400.01.0808.32	32100.1400.01.0808.32	
80	32100.1300.01.0909.32	32100.1400.01.0909.32	32100.1400.01.0909.32	
100	32100.1300.01.1010.32	32100.1400.01.1010.32	32100.1400.01.1010.32	
125	32100.1300.01.1111.32	32100.1400.01.1111.32	32100.1400.01.1111.32	



Hygienic Mix Proof Valve N2 DIN PMO 3-A Standard 85-02

pneumatic – air top open-spring to close NC

Type N2.05.001 - A-C

DIN	Reference Number
40	32100.1500.01.0606.32
50	32100.1500.01.0707.32
65	32100.1500.01.0808.32
80	32100.1500.01.0909.32
100	32100.1500.01.1010.32
125	32100.1500.01.1111.32

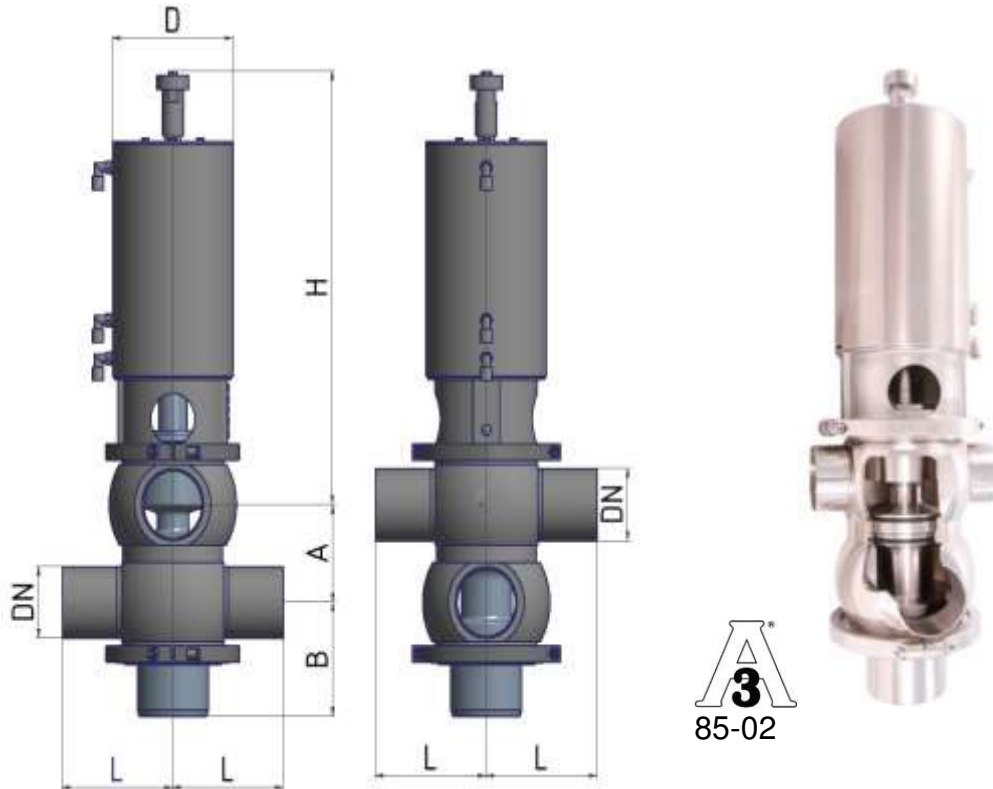


Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N2 Inch PMO 3-A Standard 85-02

pneumatic – air top open-spring to close NC



Valve body combinations



Inch	Pipe	A	B	L	H	Stroke	kg
1 1/2"	38,1 x 1,65	79	85	100	382	33	17
2"	50,8 x 1,65	83	97	125	388	35	18
2 1/2"	63,5 x 1,65	100	111	125	417	40	19
3"	76,2 x 1,65	118	112	150	425	44	30
4"	101,6 x 2,11	129	142	175	525	54	35



Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N2 Inch PMO 3-A Standard 85-02

pneumatic – air top open-spring to close NC

Inch	Type N2.01.001 - A-E		Type N2.02.001 - A-B-C	
	Reference Number		Reference Number	
1 ½"	32100.1100.01.2626.32		32100.1200.01.2626.32	
2"	32100.1100.01.2727.32		32100.1200.01.2727.32	
2 ½"	32100.1100.01.2828.32		32100.1200.01.2828.32	
3"	32100.1100.01.2929.32		32100.1200.01.2929.32	
4"	32100.1100.01.3030.32		32100.1200.01.3030.32	

Hygienic Mix Proof Valve N2 Inch PMO 3-A Standard 85-02

pneumatic – air top open-spring to close NC

Inch	Type N2.03.001 - A-C-D		Type N2.04.001 - A-B-C-D	
	Reference Number		Reference Number	
1 ½"	32100.1300.01.2626.32		32100.1400.01.2626.32	
2"	32100.1300.01.2727.32		32100.1400.01.2727.32	
2 ½"	32100.1300.01.2828.32		32100.1400.01.2828.32	
3"	32100.1300.01.2929.32		32100.1400.01.2929.32	
4"	32100.1300.01.3030.32		32100.1400.01.3030.32	



Hygienic Mix Proof Valves



Hygienic Mix Proof Valve N2Inch PMO 3-A Standard 85-02

pneumatic – air top open-spring to close NC

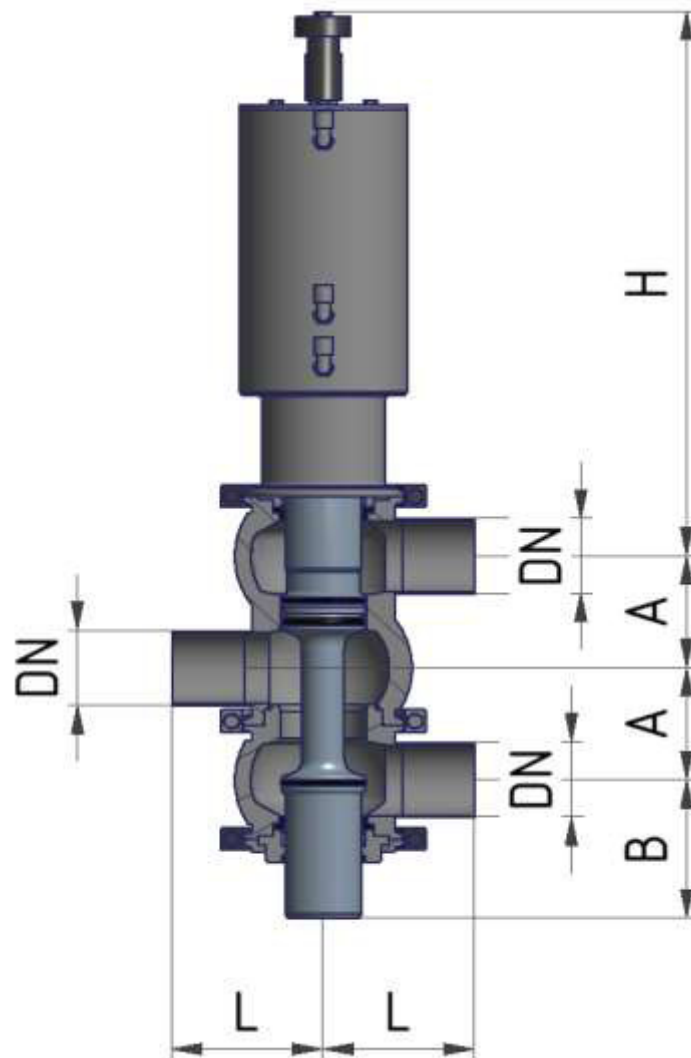
Type N2.05.001 - A-C

Inch	Reference Number
1 ½"	32100.1500.01.2626.32
2"	32100.1500.01.2727.32
2 ½"	32100.1500.01.2828.32
3"	32100.1500.01.2929.32
4"	32100.1500.01.3030.32



Hygienic Mix Proof Change-Over Valve N3 DIN

pneumatic – air top open-spring to close NC – type N3.01.001 – two-piece body



DN	Pipe	A	B	L	H
25	29 x 1,5	75	74	70	335
40	41 x 1,5	76	87	100	379
50	53 x 1,5	79	97	100	385
65	70 x 2	95	109	100	393
80	85 x 2	110	124	125	426
100	104 x 2	129	133	150	436
125	129 x 2	157	156	175	552
150	154 x 2	182	175	175	548



Hygienic Mix Proof Change-Over Valve N3 DIN

pneumatic – air top open-spring to close NC – type N3.01.001 – two-piece body

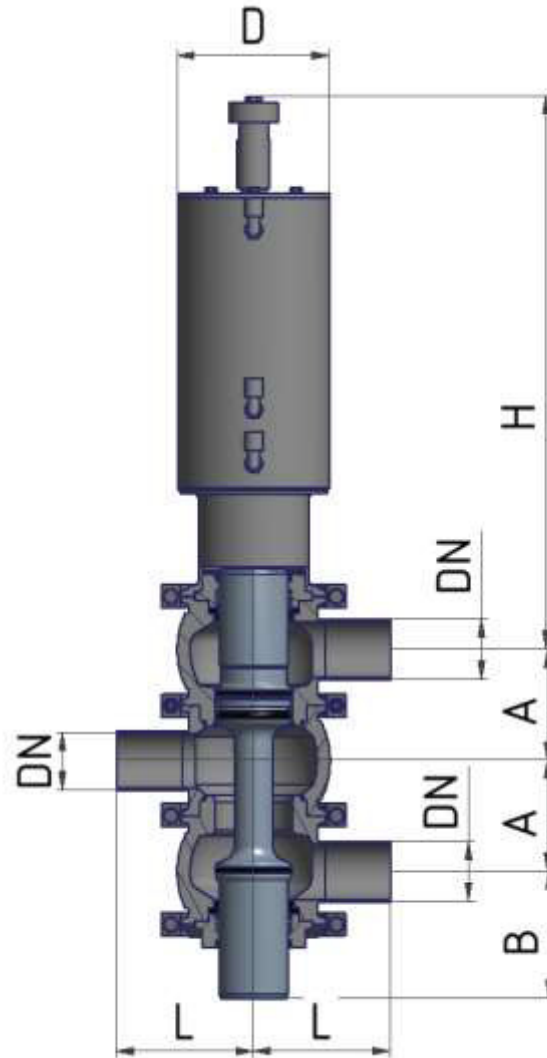
DIN	Reference Number
25	30300.2800.01.0404.32
40	30300.2800.01.0606.32
50	30300.2800.01.0707.32
65	30300.2800.01.0808.32
80	30300.2800.01.0909.32
100	30300.2800.01.1010.32
125	30300.2800.01.1111.32
150	30300.2800.01.1212.32

stroking without loss – valve disks liftable



Hygienic Mix Proof Change-Over Valve N3 DIN

pneumatic – air top open-spring to close NC - type N3.01.300 – three-piece body



DN	Pipe	A	B	L	H
25	29 x 1,5	75	74	70	335
40	41 x 1,5	76	87	100	379
50	53 x 1,5	79	97	100	385
65	70 x 2	95	109	100	393
80	85 x 2	110	124	125	426
100	104 x 2	129	133	150	436
125	129 x 2	157	156	175	552
150	154 x 2	182	175	175	548



Hygienic Mix Proof Change-Over Valve N3 DIN

pneumatic – air top open-spring to close NC - type N3.01.300 – three-piece body

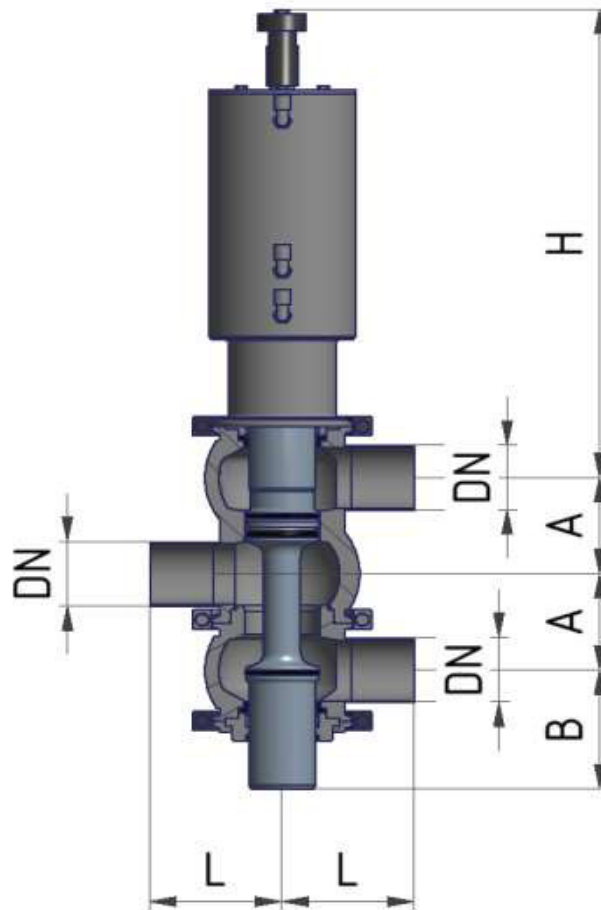
DIN	Reference Number
25	30300.3700.01.0404.32
40	30300.3700.01.0606.32
50	30300.3700.01.0707.32
65	30300.3700.01.0808.32
80	30300.3700.01.0909.32
100	30300.3700.01.1010.32
125	30300.3700.01.1111.32
150	30300.3700.01.1212.32

stroking without loss – valve disks liftable



Hygienic Mix Proof Change-Over Valve N3 Inch

pneumatic – air top open-spring to close NC - type N3.01.001 – two-piece body



Inch	Pipe	A	B	L	H
1"	25,4 x 1,65	78,5	72,5	100	333
1 1/2"	38,1 x 1,65	79	85	100	378
2"	50,8 x 1,65	81,5	96	100	384
2 1/2"	63,5 x 1,65	100	107	100	394
3"	76,2 x 1,65	118	130	125	422
4"	101,6 x 2,11	131	132	150	435

In case of order you a get a 3D step file for your design department.



Hygienic Mix Proof Valves



Hygienic Mix Proof Change-Over-Valve N3 Inch

pneumatic – air top open-spring to close NC - type N3.01.001 – two-piece body

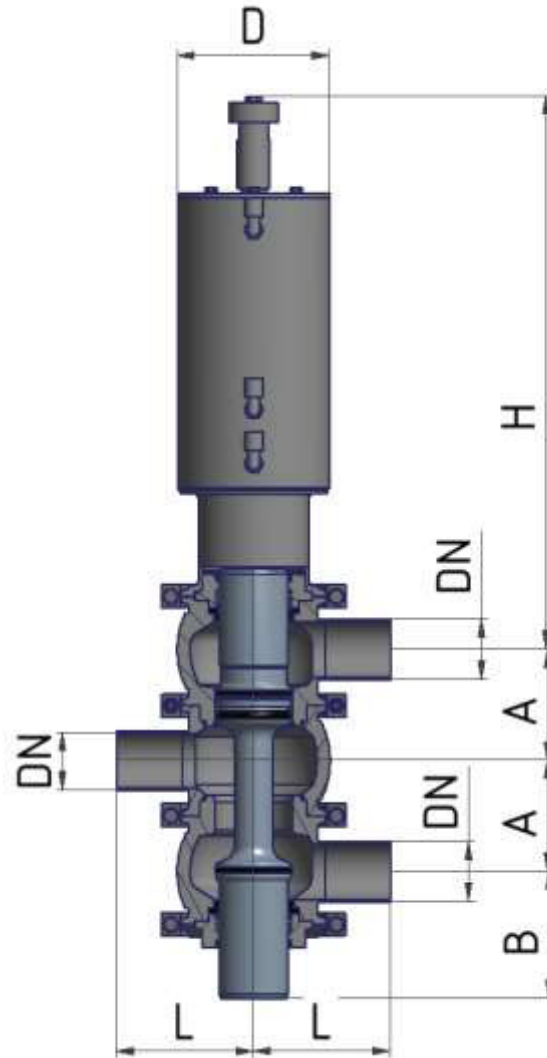
Inch	Reference Number
1"	30300.2800.01.2424.32
1 ½"	30300.2800.01.2626.32
2"	30300.2800.01.2727.32
2 ½"	30300.2800.01.2828.32
3"	30300.2800.01.2929.32
4"	30300.2800.01.3030.32

stroking without loss – valve disks liftable



Hygienic Mix Proof Change-Over Valve N3 Inch

pneumatic – air top open-spring to close NC - type N3.01.300 – three-piece body



Inch	Pipe	A	B	L	H
1"	25,4 x 1,65	78,5	72,5	100	333
1 1/2"	38,1 x 1,65	79	85	100	378
2"	50,8 x 1,65	81,5	96	100	384
2 1/2"	63,5 x 1,65	100	107	100	394
3"	76,2 x 1,65	118	130	125	422
4"	101,6 x 2,11	131	132	150	435

In case of order you get a 3D step file for your design department.



Hygienic Mix Proof Valves



Hygienic Mix Proof Change-Over Valve N3 Inch

pneumatic – air top open-spring to close NC - type N3.01.300 – three-piece

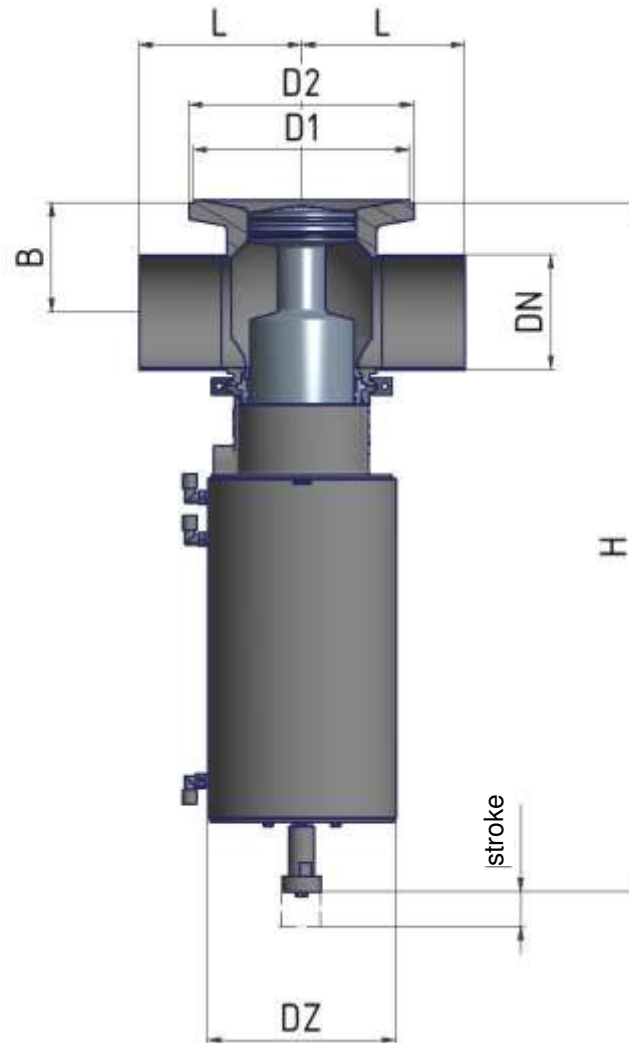
Inch	Reference Number
1"	30300.3700.01.2424.32
1 ½"	30300.3700.01.2626.32
2"	30300.3700.01.2727.32
2 ½"	30300.3700.01.2828.32
3"	30300.3700.01.2929.32
4"	30300.3700.01.3030.32

stroking without loss – valve disks liftable



Hygienic Mix Proof Bottom Seat Valve N5 DIN

pneumatic – air top open-spring to close NC - type N5.02.250



DIN	Stroke	Pipe	H	B	D1	D2	DZ	L	kg
25		29 x 1,5	upon request				111	100	12
40		41 x 1,5	upon request				111	100	16
50	34	53 x 1,5	440	59	138	146	111	100	17
65	38	70 x 2	458	68	150	158	111	100	19,5
80	45	85 x 2	518	84,5	170	178	136	125	28
100	45	104 x 2	630	103	200	208	174	150	45

In case of order you get a 3D step file for your design department.
Upon request valve body also available with only 1 port.



Hygienic Mix Proof Valves



Hygienic Mix Proof Bottom Seat Valve N5 DIN

pneumatic – air top open-spring to close NC - type N5.02.250

DIN	Reference Number
25	30500.1120.01.0404.32
40	30500.1120.01.0606.32
50	30500.1120.01.0707.32
65	30500.1120.01.0808.32
80	30500.1120.01.0909.32
100	30500.1120.01.1010.32

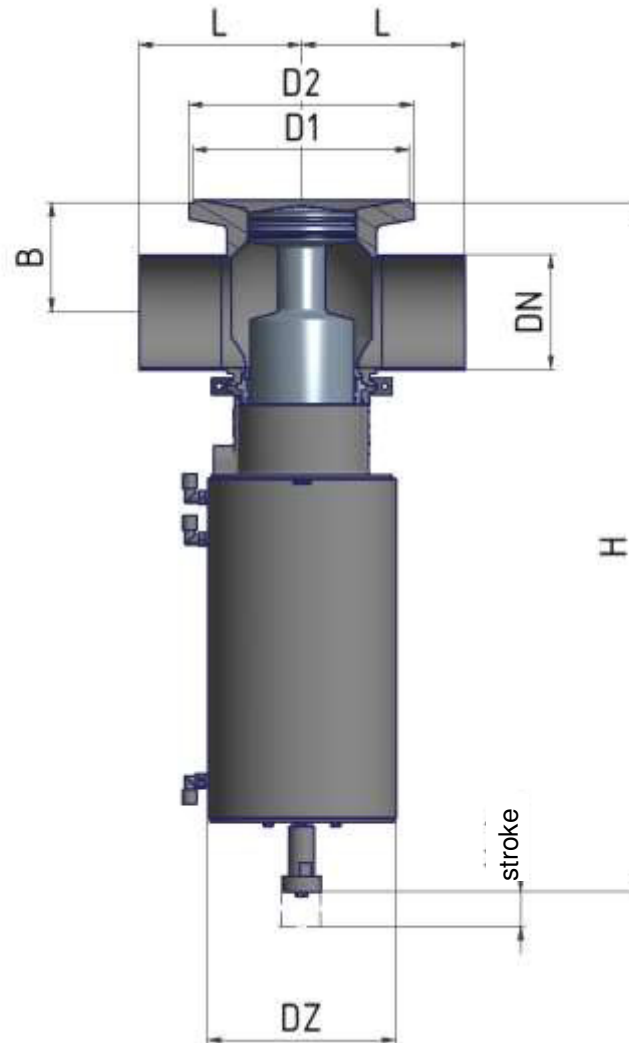
stroking without loss – valve disks liftable

for maximum product pressure of 4 bar on tank side and 10 bar on pipe side



Hygienic Mix Proof Bottom Seat Valve N5 Inch

pneumatic – air top open-spring to close NC - type N5.02.250



Inch	Stroke	Pipe	H	B	D1	D2	DZ	L	kg
1 ½"	34	38,1 x 1,65	443	65,5	125	133	111	100	16
2"	34	50,8 x 1,65	444	60,5	125	133	111	100	17
2 ½"	38	63,5 x 1,65	461	71	125	158	111	100	19,5
3"	45	76,2 x 1,65	521	88,5	170	178	136	125	28
4"	45	101,6 x 2,11	633	104	200	208	170	150	45

In case of order you get a 3D step file for your design department.
Upon request valve body also available with only 1 port.



Hygienic Mix Proof Valves



Hygienic Mix Proof Bottom Seat Valve N5 Inch

pneumatic – air top open-spring to close NC – type N5.02.250

Inch	Reference Number
1 ½"	30500.1120.01.2626.32
2"	30500.1120.01.2727.32
2 ½"	30500.1120.01.2828.32
3"	30500.1120.01.2929.32
4"	30500.1120.01.3030.32

stroking without loss – valve disks liftable

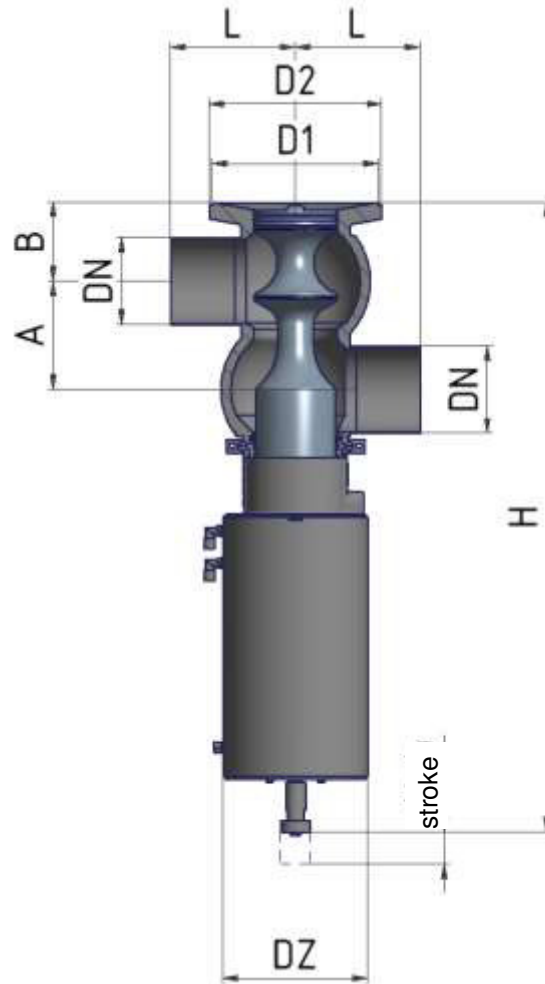
for maximum product pressure of 4 bar on tank side and 10 bar on pipe side



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 DIN

pneumatic – air top open-spring to close NC – type N9.01.001

tank connection: turned on weld-in flange



DIN	Stroke	Pipe	H	A	B	D1	D2	DZ	L
40	33	41 x 1,5	509	76	54	138	146	111	100
50	34	53 x 1,5	550	79	59	138	146	108	100
65	38	70 x 2	611	95	68	150	158	108	100
80	45	85 x 2	670	110	84,5	170	178	132	125
100	45	104 x 2	753	129	94	200	208	174	150

In case of order you get a 3D step file for your design department.



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 DIN

pneumatic – air top open-spring to close NC – type N9.01.001

tank connection: turned on weld-in flange

DIN	Reference Number
40	30900.1120.01.0606.32
50	30900.1120.01.0707.32
65	30900.1120.01.0808.32
80	30900.1120.01.0909.32
100	30900.1120.01.1010.32

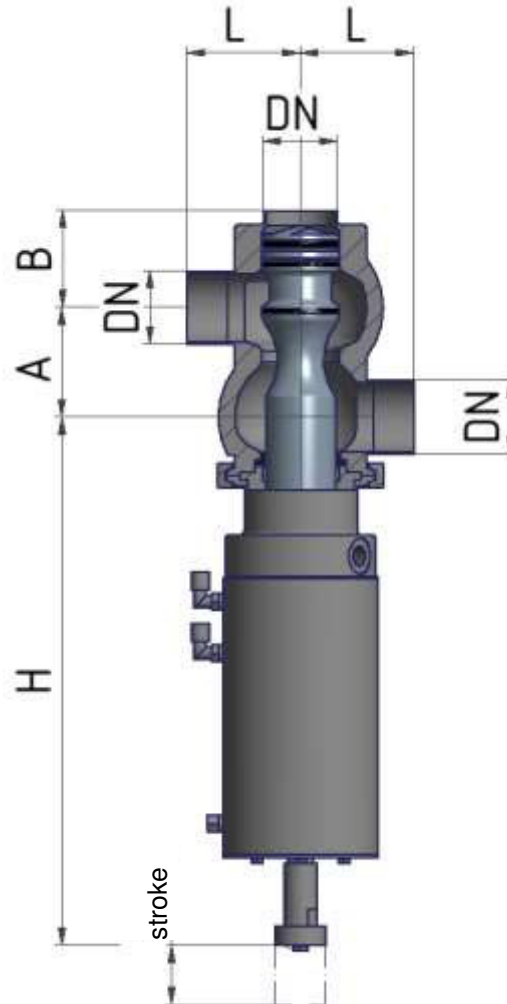
stroking without loss – valve disks liftable

for maximum product pressure of 4 bar on tank side and 10 bar on pipe side



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 DIN

pneumatic – air top open-spring to close NC – type N9.01.150
tank connection: weld end



DIN	Stroke	Pipe	H	A	B	L
40	26	41 x 1,5	380	79	60	85
50	34	53 x 1,5	385	79	70	100
65	38	70 x 2	393	95	85	100
80	45	85 x 2	436	110	120	125
100	44	104 x 2	530	129	128	150

In case of order you get a 3D step file for your design department.



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 DIN

pneumatic – air top open-spring to close NC – type N9.01.150

tank connection: weld end

DIN	Reference Number
40	30900.1110.01.0606.32
50	30900.1110.01.0707.32
65	30900.1110.01.0808.32
80	30900.1110.01.0909.32
100	30900.1110.01.1010.32

stroking without loss – valve disks liftable

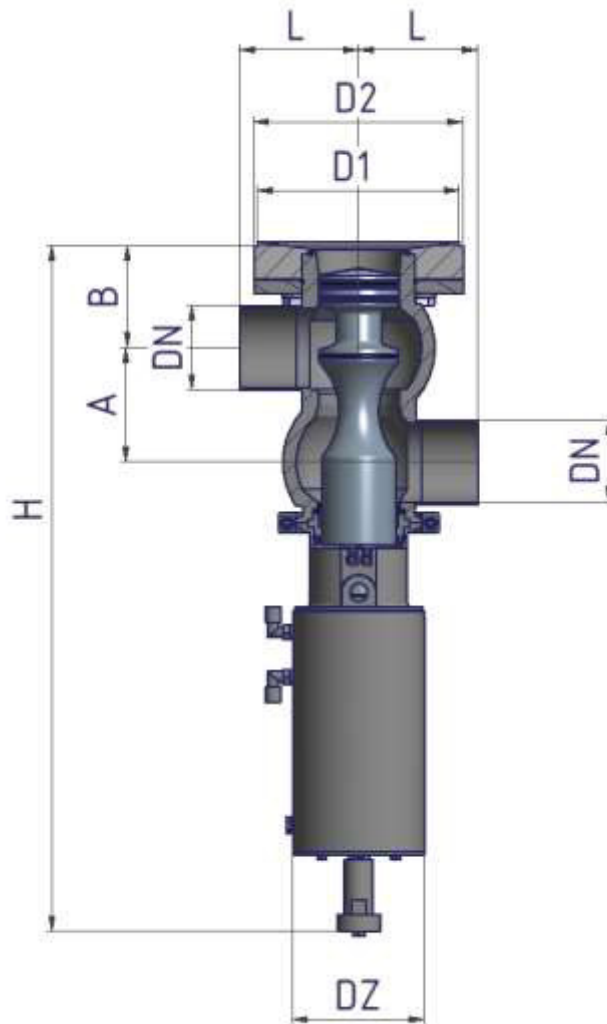
for maximum product pressure of 4 bar on tank side and 10 bar on pipe side



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 DIN

pneumatic – air top open-spring to close NC – type N9.01.200

tank connection: separate weld-in flange



DIN	Stroke	Pipe	H	A	B	D1	D2	DZ	L	kg
										without flange
50										
65	38	70 x 2	614	95	85	170	176	111	100	24
80	45	85 x 2	685	110	92	200	209	136	125	27
100										

In case of order you get a 3D step file for your design department..



Hygienic Mix Proof Valves



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 DIN

pneumatic – air top open-spring to close NC – type N9.01.200

tank connection: separate weld-in flange (against surcharge)

DIN	Reference Number	Weld-in flange	
		Reference Number	kg
50	30900.1140.01.0707.32	30900.0000.01.0007.31	
65	30900.1140.01.0808.32	30900.0000.01.0008.31	4
80	30900.1140.01.0909.32	30900.0000.01.0009.31	6
100	30900.1140.01.1010.32	30900.0000.01.0010.31	
for tank wall thickness up to 4 mm			
Material 1.4404			
price including			
O-ring EPDM and screws			
not discountable			

stroking without loss – valve disks liftable

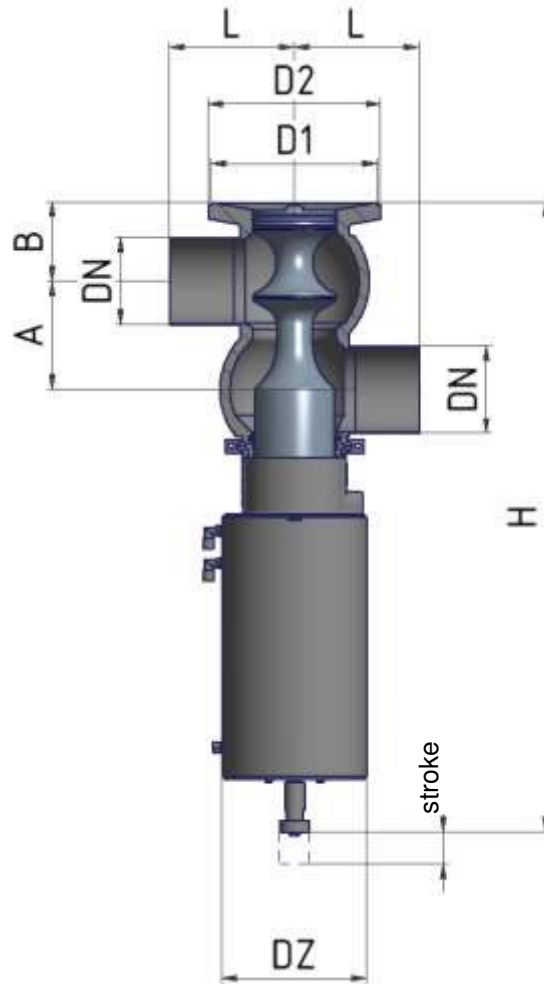
for maximum product pressure of 4 bar on tank side and 10 bar on pipe side



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 Inch

pneumatic – air top open-spring to close NC – type N9.01.001

tank connection: turned on weld-in flange



Inch	Stroke	Pipe	H	A	B	D1	D2	DZ	L
1 ½"	33	38,1 x 1,65	509	79	52,5	138	146	111	100
2"	34	50,8 x 1,65	550	81,5	60,5	138	146	111	100
2 ½"	38	63,5 x 1,65	611	100	71	150	158	111	100
3"	45	76,2 x 1,65	670	118	88,5	170	178	132	125
4"	45	101,6x2,11	753	131	104	200	208	174	150

In case of order you get a 3D step file for your design department.



Hygienic Mix Proof Valves



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 Inch

pneumatic – air top open-spring to close NC – type N9.01.001

tank connection: turned on weld-in flange

Inch	Reference Number
1 ½"	30900.1120.01.2626.32
2"	30900.1120.01.2727.32
2 ½"	30900.1120.01.2828.32
3"	30900.1120.01.2929.32
4"	30900.1120.01.3030.32

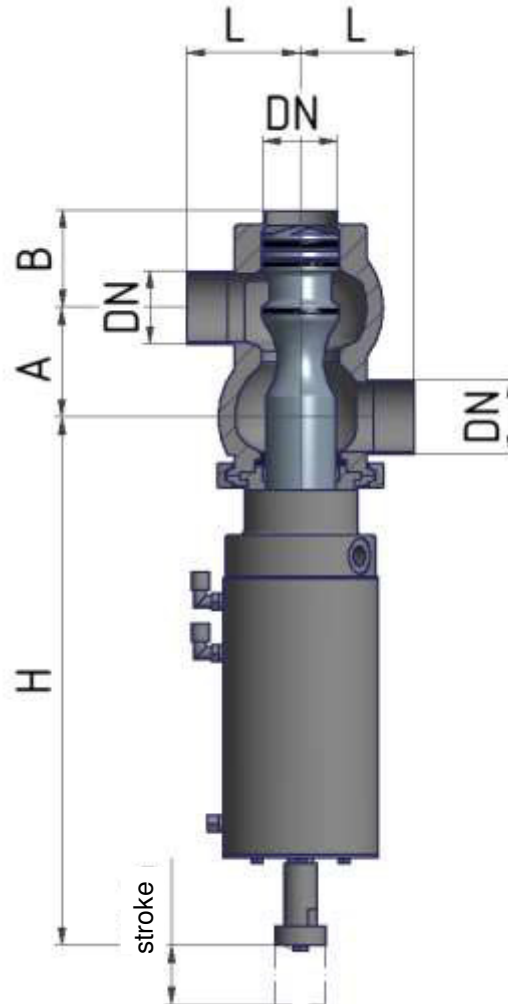
stroking without loss – valve disks liftable

for maximum product pressure of 4 bar on tank side and 10 bar on pipe side



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 Inch

pneumatic – air top open-spring to close NC – type N9.01.150
tank connection: weld end



Inch	Stroke	Pipe	H	A	B	L
1 ½"	26	38,1 x 1,65	378	79	70	100
2"	34	50,8 x 1,65	384	81,5	69	100
2 ½"	38	63,5 x 1,65	390	100	83	100
3"	45	76,2 x 1,65	432	118	116	125
4"	44	101,6x2,11	529	131	127	150

In case of order you get a 3D step file for your design department.



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 Inch

pneumatic – air top open-spring to close NC – type N9.01.150
tank connection: weld end

Inch	Reference Number
1 ½"	30900.1110.01.2626.32
2"	30900.1110.01.2727.32
2 ½"	30900.1110.01.2828.32
3"	30900.1110.01.2929.32
4"	30900.1110.01.3030.32

stroking without loss – valve disks liftable

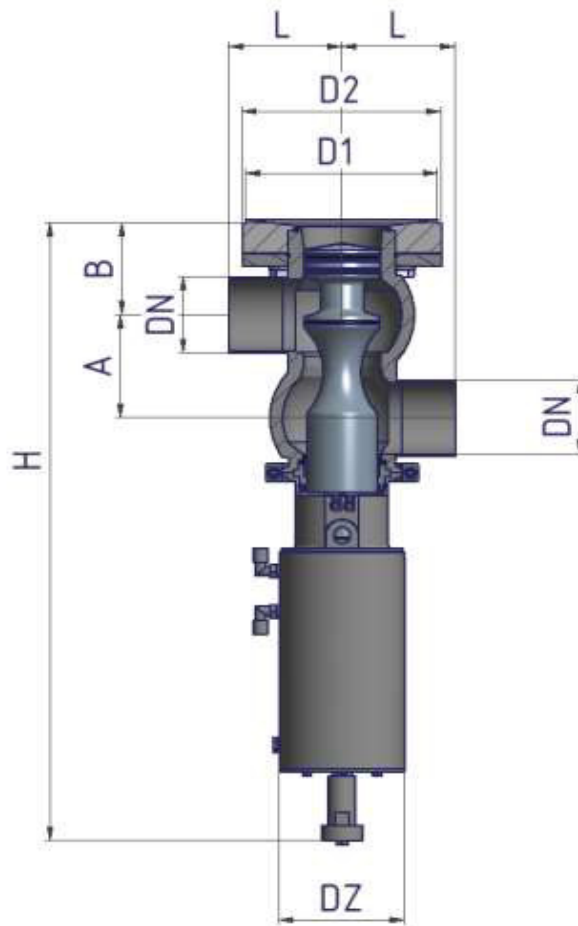
for maximum product pressure of 4 bar on tank side and 10 bar on pipe side



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 Inch

pneumatic – air top open-spring to close NC – type N9.01.200

tank connection: separate weld-in flange



Inch	Stroke	Pipe	H	A	B	D1	D2	DZ	L	kg
										without flange
2"		50,8 x 1,65								
2 ½"	38	63,5 x 1,65	614	100	86	170	176	111	100	24
3"	45	76,2 x 1,65	685	118	90,5	200	209	136	125	27
4"		101,6x2,11								

In case of order you get a 3D step file for your design department.



Hygienic Mix Proof Valves



Hygienic Mix Proof Bottom Seat Change-Over Valve N9 Inch

pneumatic – air top open-spring to close NC – type N9.01.200

tank connection: separate weld-in flange (against surcharge)

Zoll	Reference Number	Weld-in flange	
		Reference Number	kg
2"	30900.1140.01.2727.32	30900.0000.01.0007.31	
2 ½"	30900.1140.01.2828.32	30900.0000.01.0008.31	4
3"	30900.1140.01.2929.32	30900.0000.01.0009.31	6
4"	30900.1140.01.3030.32	30900.0000.01.0010.31	
for tank wall thickness up to 4 mm			
Material 1.4404			
price including			
O-ring EPDM and screws			
not discountable			

stroking without loss – valve disks liftable

for maximum product pressure of 4 bar on tank side and 10 bar on pipe side



Leakage Drain

for leakage ports



Inch	Reference Number		
3/8"	5030038		
A	B	C	D
3/8"	12 x 1,5	71,5	100
not discountable			



Gasket Kits for Hygienic Mix Proof Valves N1

pneumatic – air to open-spring to close NC

DIN	EPDM product side		Viton product side	
	DIN	Reference Number	DIN	Reference Number
25		5003093		auf Anfrage
40		5002299		5004015
50		5002299		5004015
65		5002291		5005014
80		5002302		5005419
100		5002436		5005421
125				upon request
150				upon request

Gasket Kit for Hygienic Mix Proof Valve N2 PMO

pneumatic – air to open-spring to close NC

DIN	EPDM product side			
	Reference Number		Reference Number	
	DIN		Inch	
40		5006650		5007038
50		5006650		5007024
65		5006175		5007031
80		5006176		5007025
100		5006649		5007039
125				upon request
150				upon request



Gasket Kits for Hygienic Mix Proof Change-Over Valve N3 two-piece

pneumatic – air to open-spring to close NC

EPDM product side

DIN	Reference Number
25	upon request
40	5003718
50	5003718
65	5004688
80	5004211
100	5006912
125	upon request
150	upon request

Gasket Kits for Hygienic Mix Proof Change-Over Valve N3 three-part

pneumatic – air to open-spring to close NC

EPDM product side

DIN	Reference Number
25	upon request
40	5003768
50	5003768
65	5005932
80	5006933
100	5006934
125	upon request
150	upon request



Gasket Kits for Hygienic Mix Proof Bottom Seat Valve N5

pneumatic – air to open-spring to close NC

EPDM product side

DIN	Reference Number
40	5002097
50	5002097
65	5004767
80	5006702
100	5006703

Gasket Kits Hygienic Mix Proof Bottom Seat Change-Over valve N9

pneumatic – air to open-spring to close NC

EPDM product side

DIN	Reference Number
40	auf Anfrage for flange version plus O-ring
50	5001763
65	5001749 75 x 5 – 1001712
80	5005551 100 x 4 – 1000812
100	5001751



Double Seal Valves



RIEGER Double seal valves are used for reliable separation of liquid products from cleaning agents in pipes. They are the link between leakage butterfly valve and mix proof valve. Both seats are directly combined like in the leakage butterfly valve. But it is a right angle valve with ball body which complies with the hygienic requirements. The leakage space is situated between the separating gaskets. The leakage fluid is drained off through the leakage valve. Optional, also a rinsing CIP valve is available. The design of the one-piece solid and dead space free valve body guarantees optimal CIP/CIP cleaning possibilities. The valves are applied in plants of breweries, beverages, dairies and food industries.

Your benefits

Design	one-piece solid valve body no dead space safe CIP/SIP cleaning
Absolute product safety	radial sealing of valve disks safe separation of products leakage is safely drained off
Serviceable maintenance	change of seals without special tools valve insert completely removable upwards
Efficiency	standard O-rings few seals low spare part costs



Technical Data

Material	in product contact	1.4404/AISI316L
	optional	1.4435/AISI316L
	non product contact	1.4301/AISI304
Seals	O-rings	EPDM; Viton and others upon request
Temperatures maximum	operating temperature	up to 130 °C*
	sterilization temperature	up to 150 °C* short-time (approx. 20 min)
Operating pressure	closing pressure	max. 6 bar
	control air pressure	min 6 bar - max. 10 bar
Surfaces	in product contact	Ra <= 0,8 µm
	optional	electro polished, other surfaces upon request
	non product contact	Ra <=1,6 µm
Connections Standard pipe classes	DIN 11850-R2 (DIN 11866 A) O.D. tube (DIN 11866 C)	

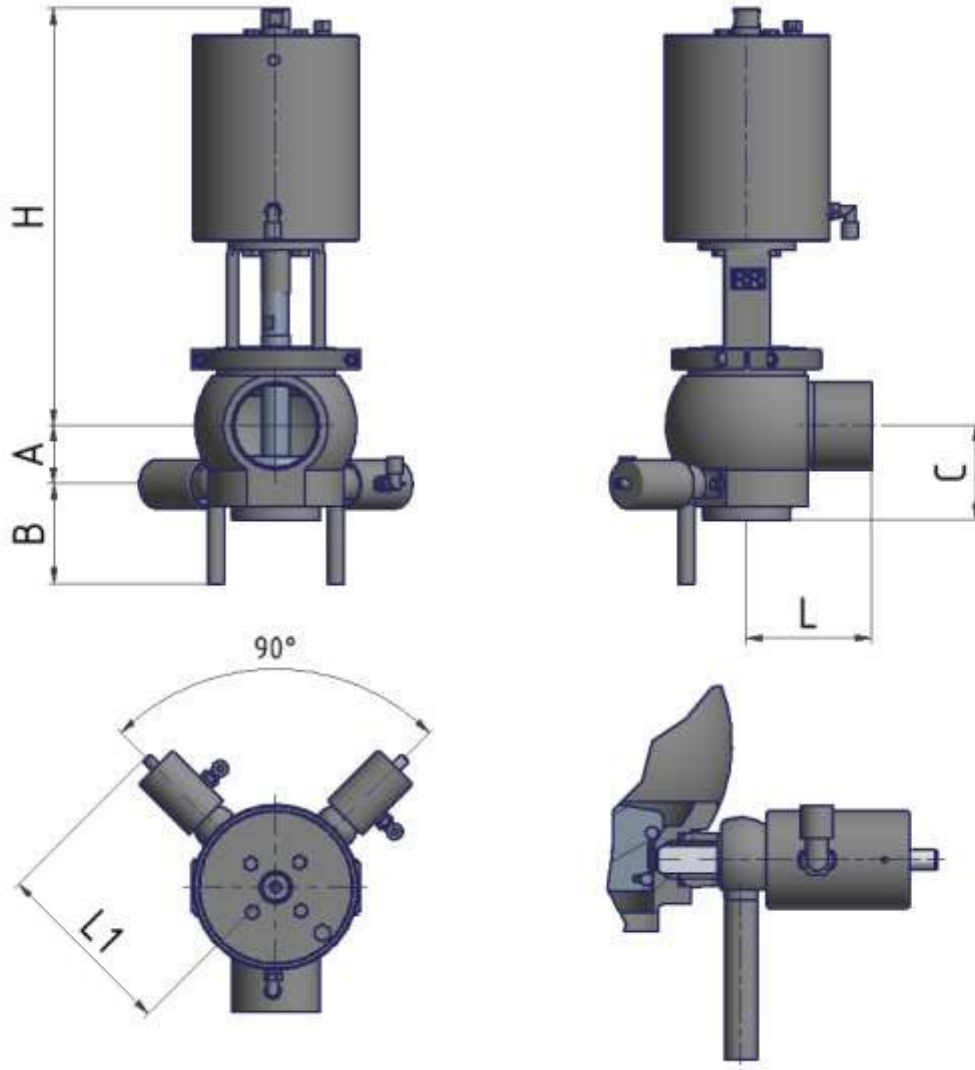
*depending on operating conditions



Double Seal Valves

D31.01.100 with 2 CIP valves

pneumatic – air to open-spring to close NC – with straight CIP tubes





Double Seal Valves



DD31.01.100 with 2 CIP valves

pneumatic – air to open-spring to close NC

DIN	Pipe	A	B	C	KV value
40	41 x 1,5	36	80	64	32
50	53 x 1,5	40	80	64	55
65	70 x 2	46,5	80	74,3	95
80	85 x 2	55,5	80	83,3	143
100	104 x 2	63	80	91	218



DIN	H	L	L1	L1	Stroke	kg
40	260	70	137,5	140	30	9,5
50	300	80	138,5	141	30	11,8
65	335	100	146,5	149	30	17,3
80	412	125	154,5	157	49	25,5
100	422	150	163,5	166	49	36,2



Dimensions for valves in Inch upon request.

In case of order you get a 3D step file for your construction.

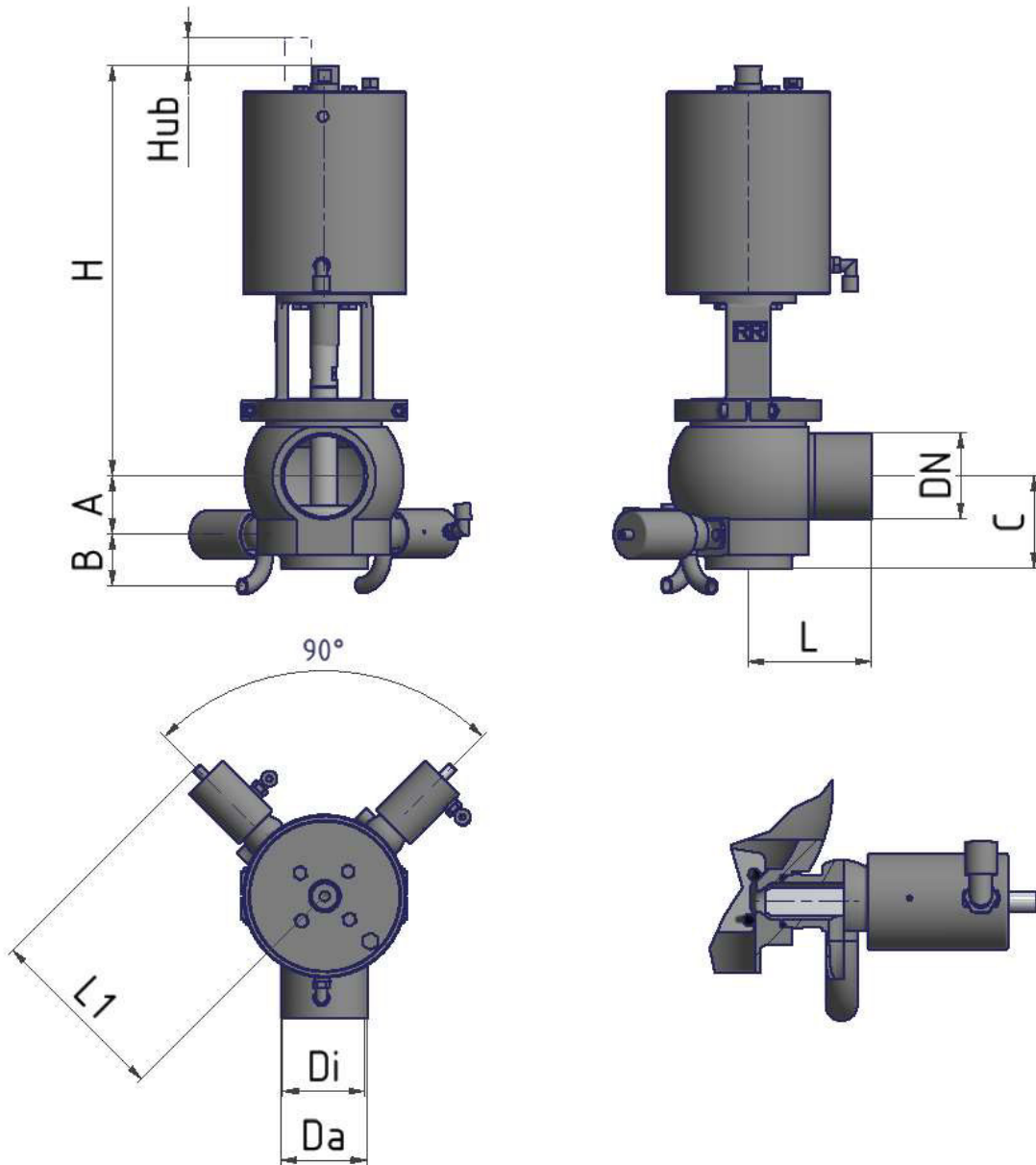


Double Seal Valves



DD31.01.200 with 2 CIP valves

pneumatic – air to open-spring to close NC – with bent CIP tubes





Double Seal Valves



DD31.01.200 with 2 CIP valves

pneumatic – air to open-spring to close NC – with bent CIP tubes

DIN	Pipe	A	B	C	KV values
40	41 x 1,5	36	43	64	32
50	53 x 1,5	40	43	64	55
65	70 x 2	46,5	43	74,3	95
80	85 x 2	55,5	43	83,3	143
100	104 x 2	63	43	91	218



DIN	H	L	L1	Stroke	kg
40	260	70	140	30	9,5
50	300	80	141	30	11,8
65	335	100	149	30	17,3
80	412	125	157	49	25,5
100	422	150	166	49	36,2



Dimensions for valves in Inch upon request.

In case of order you get a 3D step file for your construction.



Double seal right angle valve DD31.01 DIN

2 CIP valves = type 100
 1 x air to open-spring to close NC
 1 x spring to open-air to close NO

1 CIP valve = type 150
 1 x spring to open-air to close NO

DIN	Reference number	Reference number
40	20010.0500.01.0006.32	20010.0200.01.0006.32
50	20010.0500.01.0007.32	20010.0200.01.0007.32
65	20010.0500.01.0008.32	20010.0200.01.0008.32
80	20010.0500.01.0009.32	20010.0200.01.0009.32
100	20010.0500.01.0010.32	20010.0200.01.0010.32

with straight CIP tubes

CIP valves in 45° position

Double seal right angle valve DD31.01 DIN

2 CIP valves = type 200
 1 x air to open-spring to close NC
 1 x spring to open-air to close NO

1 CIP valve = type 500
 1 x spring to open-air to close NC

DIN	Reference number	Reference number
40	20110.0500.01.0006.32	20110.0200.01.0006.32
50	20110.0500.01.0007.32	20110.0200.01.0007.32
65	20110.0500.01.0008.32	20110.0200.01.0008.32
80	20110.0500.01.0009.32	20110.0200.01.0009.32
100	20110.0500.01.0010.32	20110.0200.01.0010.32

with bent CIP tubes

CIP valves in 45° position



Double seal double right angle valve DD31.11 DIN

2 CIP valves = type 100
 1 x air to open-spring to close NC
 1 x spring to open-air to close NO

1 CIP valve = type 150
 1 x spring to open-air to close NO

DIN	Reference number	Reference number
40	20010.0501.01.0006.32	20010.0201.01.0006.32
50	20010.0501.01.0007.32	20010.0201.01.0007.32
65	20010.0501.01.0008.32	20010.0201.01.0008.32
80	20010.0501.01.0009.32	20010.0201.01.0009.32
100	20010.0501.01.0010.32	20010.0201.01.0010.32

with straight CIP tubes

CIP valves in 45° position

Double seal double right angle valve DD31.11 DIN

2 CIP valves = type 200
 1 x air to open-spring to close NC
 1 x spring to open-air to close NO

1 CIP valve = type 500
 1 x spring to open-air to close NO

DIN	Reference number	Reference number
40	20110.0501.01.0006.32	20110.0201.01.0006.32
50	20110.0501.01.0007.32	20110.0201.01.0007.32
65	20110.0501.01.0008.32	20110.0201.01.0008.32
80	20110.0501.01.0009.32	20110.0201.01.0009.32
100	20110.0501.01.0010.32	20110.0201.01.0010.32

with bent CIP tubes

CIP valves in 45° position



Double Seal Valves



Double seal right angle valve DD31.01 Inch

2 CIP valves = type 100
 1 x air to open-spring to close NC
 1 x spring to open-air to close NO

1 CIP valve = type 150
 1 x spring to open-air to close NO

Inch	Reference number	Reference number
1 1/2"	20010.0500.01.0026.32	20010.0200.01.0026.32
2"	20010.0500.01.0027.32	20010.0200.01.0027.32
2 1/2"	20010.0500.01.0028.32	20010.0200.01.0028.32
3"	20010.0500.01.0029.32	20010.0200.01.0029.32
4"	20010.0500.01.0030.32	20010.0200.01.0030.32

with straight CIP tubes

CIP valves in 45° position

Double seal right angle valve DD31.01 Inch

2 CIP valves = type 200
 1 x air to open-spring to close NC
 1 x spring to open-air to close NO

1 CIP valve = type 500
 1 x spring to open-air to close NO

Inch	Reference number	Reference number
1 1/2"	20110.0500.01.0026.32	20110.0200.01.0026.32
2"	20110.0500.01.0027.32	20110.0200.01.0027.32
2 1/2"	20110.0500.01.0028.32	20110.0200.01.0028.32
3"	20110.0500.01.0029.32	20110.0200.01.0029.32
4"	20110.0500.01.0030.32	20110.0200.01.0030.32

with bent CIP tubes

CIP valves in 45° position



Double Seal Valves



Double seal double right angle valve DD31.11 Inch

2 CIP valves = type 100
 1 x air to open-spring to close NC
 1 x spring to open-air to close NO

1 CIP valve = type 150
 1 x spring to open-air to close NO

Inch	Reference number	Reference number
1 1/2"	20010.0501.01.0026.32	20010.0201.01.0026.32
2"	20010.0501.01.0027.32	20010.0201.01.0027.32
2 1/2"	20010.0501.01.0028.32	20010.0201.01.0028.32
3"	20010.0501.01.0029.32	20010.0201.01.0029.32
4"	20010.0501.01.0030.32	20010.0201.01.0030.32

with straight CIP tubes

CIP valves in 45° position

Double seal double right angle valve DD31.11 Inch

2 CIP valves = type 200
 1 x air to open-spring to close NC
 1 x spring to open-air to close NO

1 CIP valve = type 500
 1 x spring to open-air to close NO

Inch	Reference number	Reference number
1 1/2"	20110.0501.01.0026.32	20110.0201.01.0026.32
2"	20110.0501.01.0027.32	20110.0201.01.0027.32
2 1/2"	20110.0501.01.0028.32	20110.0201.01.0028.32
3"	20110.0501.01.0029.32	20110.0201.01.0029.32
4"	20110.0501.01.0030.32	20110.0201.01.0030.32

with bent CIP tubes

CIP valves in 45° position



Double Seal Valves



RIEGER Double seal valves N4 piggable guarantee reliable protection for your product, as they completely separate non-compatible liquids. They have been proven in plants of the beverage and brewery industries, as well as of food and dairy industries.

The design of the one-piece solid valve body and the two radial seals of both valve seats together with the balanced valve disk allow completely safe CIP/SIP cleaning and so guarantee extremely high safety for your products.

Your benefits

Design	one-part valve body made of solid bar no weld torsion in product space only 3 seals safe CIP/SIP cleaning
Absolute product safety	radial sealing of both valve seats balanced valve disk easy cleaning by lifting of both valve seats in both directions
Serviceable maintenance	exchange of gaskets without special tools low need of control air pressure valve insert completely removable upwards
Efficiency	Standard O-rings Standard actuator with 2 lift functions few gaskets minimal maintenance costs piggable



Valve under utility model status!

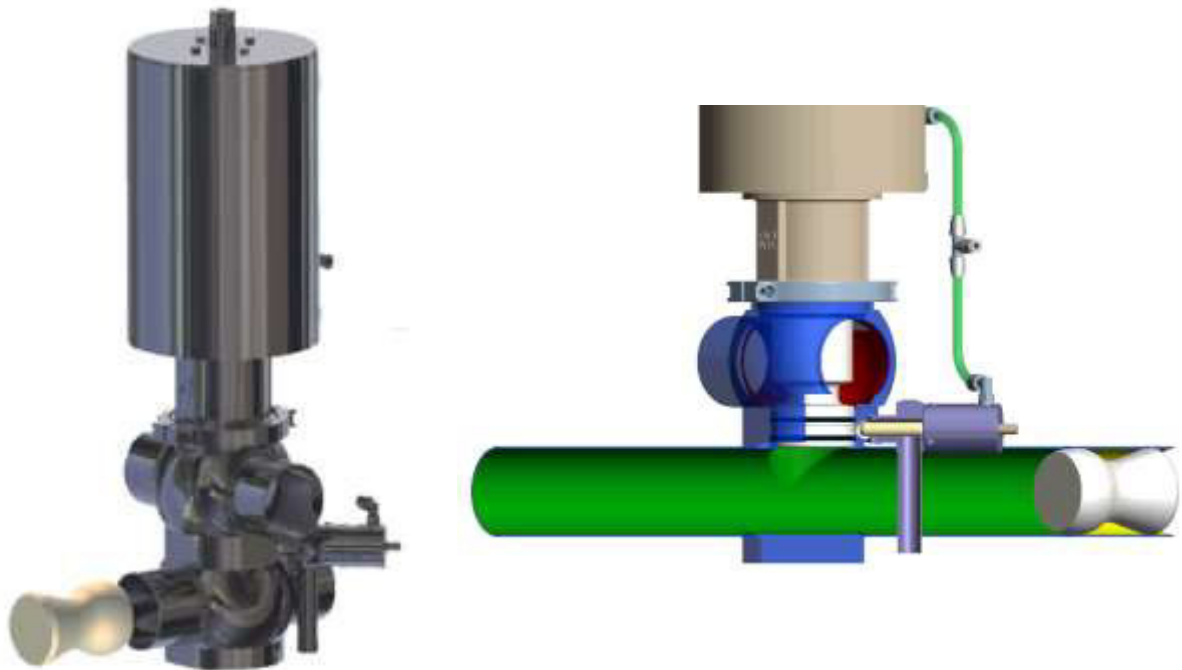
Material	in product contact non product contact	1.4404/AISI316L 1.4435/AISI316L 1.4301/AISI304
Seals	EPDM and PEEK	other materials upon request e.g. Viton
Temperatures maximum	operating temperature sterilization temperature	up to 130 °C* up to 150 °C* short-time (approx. 20 min)
Operating pressure	closing pressure in upper line in lower pigging line control air pressure	6 bar maximum see dimensional sheet min. 6 bar - max. 10 bar up to 30 bar
Surfaces	water hammer safe product contact optional non product contact	Ra <= 0,8 µm electro polished, other surfaces upon request Ra <=1,6 µm



*dependent on operating conditions



Double Seal Valves



- maximum product efficiency
- low waste water costs and environmental burden
- reduced cleaning periods and costs
- minimization of cleaning water consumption
- minimization of cleaning agent consumption



switching between
main and CIP valve

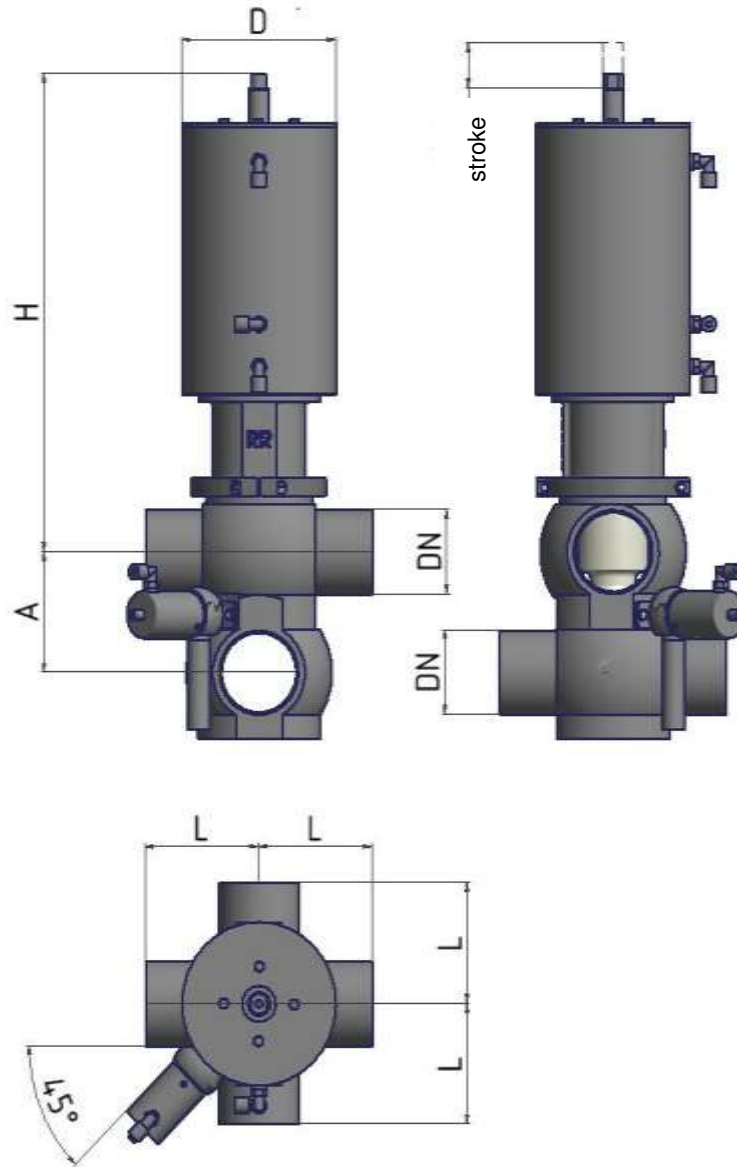




Double Seal Valves

Double seal valve N4 – piggable - DIN

pneumatic – air to open-spring to close NC



DIN	Pipe	A	L	H	D	Stroke	max. bar in pigging line	kg
40	41 x 1,5	72	100	352	110	42	13	
50	53 x 1,5	84	100	358	110	42	8,5	25
65	70 x 2	100	100	397	136	45	9	26
80	85 x 2	115	125	440	174	46	10	39
100	104 x 2	134	150	450	174	46	7	



Double Seal Valves



Double seal valve N4 – piggable - DIN

pneumatic – air to open-spring to close NC

Type N4.03 - A-C-D		Type N4.04 - A-B-C-D
DIN	Reference number	Reference number
40	34200.1300.01.0606.32	34200.1400.01.0606.32
50	34200.1300.01.0707.32	34200.1400.01.0707.32
65	34200.1300.01.0808.32	34200.1400.01.0808.32
80	34200.1300.01.0909.32	34200.1400.01.0909.32
100	34200.1300.01.1010.32	34200.1400.01.1010.32
125	34200.1300.01.1111.32	34200.1400.01.1111.32
150	34200.1300.01.1212.32	34200.1400.01.1212.32

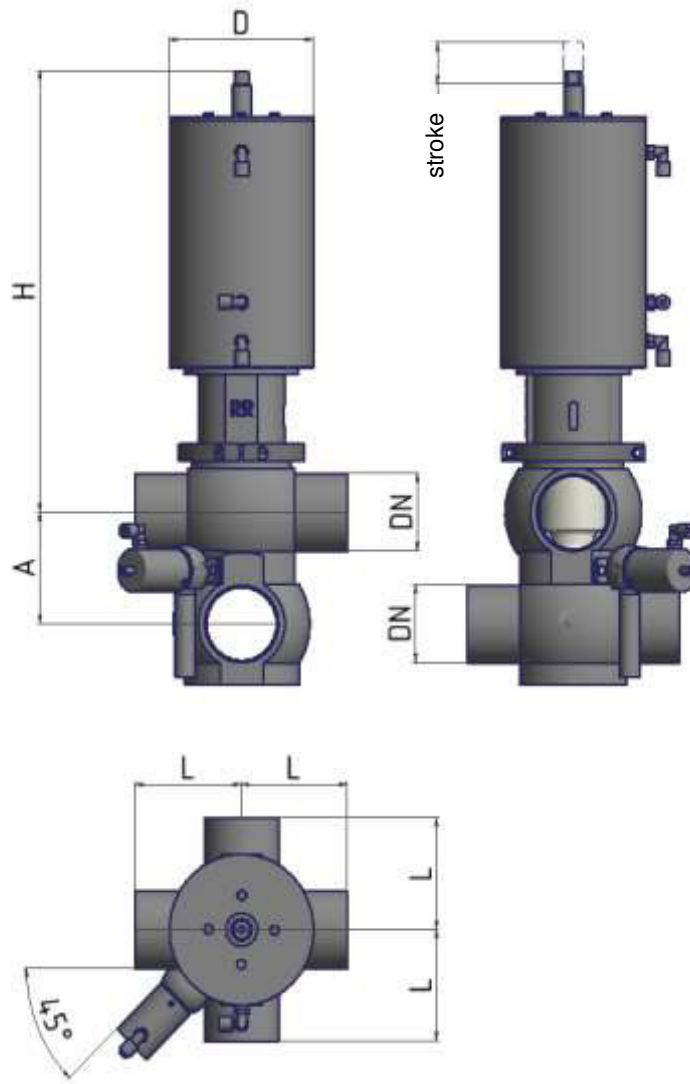


Double Seal Valves



Double seal valve N4 – piggable - Inch 3-A standard 53-06

pneumatic – air to open-spring to close NC



Inch	Pipe	A	L	H	D	Stroke	max. bar	kg
1 1/2"	38,1 x 1,65	69	100	352	110	42	13	
2"	50,8 x 1,65	84	100	358	110	42	8,5	25
2 1/2"	63,5 x 1,65	93	100	394	136	45	9	26
3"	76,2 x 1,65	107	125	436	174	46	10	39
4"	101,6 x 2,11	132	150	450	174	46	7	



Double Seal Valves



Double seal valve N4 – piggable - Inch 3-A standard 53-06

pneumatic – air to open-spring to close NC

Inch	Typ N4.03 - A-C-D		Typ N4.04 - A-B-C-D	
	Reference number		Reference number	
1 ½"	34200.1300.01.2626.32		34200.1400.01.2626.32	
2"	34200.1300.01.2727.32		34200.1400.01.2727.32	
2 ½"	34200.1300.01.2828.32		34200.1400.01.2828.32	
3"	34200.1300.01.2929.32		34200.1400.01.2929.32	
4"	34200.1300.01.3030.32		34200.1400.01.3030.32	
6"	34200.1300.01.3232.32		34200.1400.01.3232.32	



Double Seal Valves



Double seal valve N4 – piggable – DIN reduced

pneumatic – air to open-spring to close NC

Type N4.04 - A-B-C-D

up large - down small Typ 150		up small – down large type 200	
DIN	Reference number	DIN	Reference number
65/40	34200.1400.01.0806.32	40/65	34200.1400.01.0608.32
65/50	34200.1400.01.0807.32	50/65	34200.1400.01.0708.32
80/40	34200.1400.01.0906.32	40/80	34200.1400.01.0609.32
80/50	34200.1400.01.0907.32	50/80	34200.1400.01.0709.32
80/65	34200.1400.01.0908.32	65/80	34200.1400.01.0809.32
100/40	34200.1400.01.1006.32	40/100	34200.1400.01.0610.32
100/50	34200.1400.01.1007.32	50/100	34200.1400.01.0710.32
100/65	34200.1400.01.1008.32	65/100	34200.1400.01.0810.32
100/80	34200.1400.01.1009.32	80/100	34200.1400.01.0910.32
125/40	34200.1400.01.1106.32	40/125	34200.1400.01.0611.32
125/50	34200.1400.01.1107.32	50/125	34200.1400.01.0711.32
125/65	34200.1400.01.1108.32	65/125	34200.1400.01.0811.32
125/80	34200.1400.01.1109.32	80/125	34200.1400.01.0911.32
125/100	34200.1400.01.1110.32	100/125	34200.1400.01.1011.32
150/40	34200.1400.01.1206.32	40/150	34200.1400.01.0612.32
150/50	34200.1400.01.1207.32	50/150	34200.1400.01.0712.32
150/65	34200.1400.01.1208.32	65/150	34200.1400.01.0812.32
150/80	34200.1400.01.1209.32	80/150	34200.1400.01.0912.32
150/100	34200.1400.01.1210.32	100/150	34200.1400.01.1012.32
150/125	34200.1400.01.1211.32	125/150	34200.1400.01.1112.32

In case of order you get a 3D step file for your construction



Gasket kits

product side for double seal valve type DD

EPDM with 2 Viton O-rings in seat area

DIN	Reference number
40	5004219
50	5004661
65	5006467
80	5004663
100	5004752

inserts for CIP and leakage valve upon request

Gasket kits

product side for double seal valve type N4 piggable

EPDM	DIN		Inch	
	Reference number		Reference number	
40	5006705		5006916	
50	5006704		5006123	
65	5005894		5006917	
80	5006706		5006124	
100	5006707		5006918	

inserts for CIP and leakage valve upon request



Overflow and Backpressure Valves



RIEGER Overflow valves type ÜS open when the set pressure is reached and so prevent undue over pressures in pipes. They are NO safety valves. For this purpose, we recommend our TÜV approved safety valves type SH.

Overflow valves type ÜS are available with weld-on ends and with fittings and clamps. An additional lever allows lifting by hand. They are suitable for liquids, steam and gas.

The available set range of 0,5 up to 6 bar is achieved by means of different pressure springs, which **each of them covers the lower or upper pressure range area.**

Your benefits

Design	housing made from solid bar no dead space completely drainable many built-in positions possible
Absolute product safety	high-grade inner surfaces no dome, no sump
Safety	clamp union between housing and actuator optimum cleanability
Efficiency	standard seals

Technical Data

Material	product contact	1.4404/AISI316L
	optional	1.4435/AISI316L
	non product contact	1.4301/AISI304
Seals	O-rings/seals	EPDM Viton and other materials upon request
Temperatures maximum	operating temperature	up to 130 °C*
	sterilization temperature	up to 150 °C* short-time (approx. 20 min)
Set range	0,5 up to 6 bar In order set pressure point is requested, pressure spring is chosen accordingly.	higher set pressures upon request
Set pressure range of pressure spring	according to customer's request in lower or upper pressure range	
Surfaces	product contact	Ra <= 0,8 µm
	optional	electro polished
	non product contact	Ra <=1,6 µm
Connections	DIN 11850-R2 (DIN 11866 A) O.D. tube (DIN 11866 C) clamp ferrules in DIN and Inch	

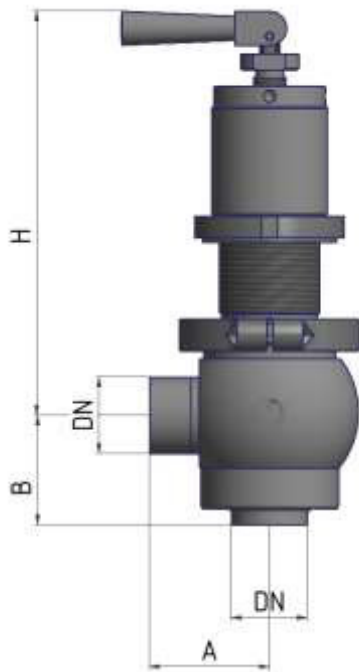


*dependent on operating conditions



Overflow Valve ÜS4.01.100

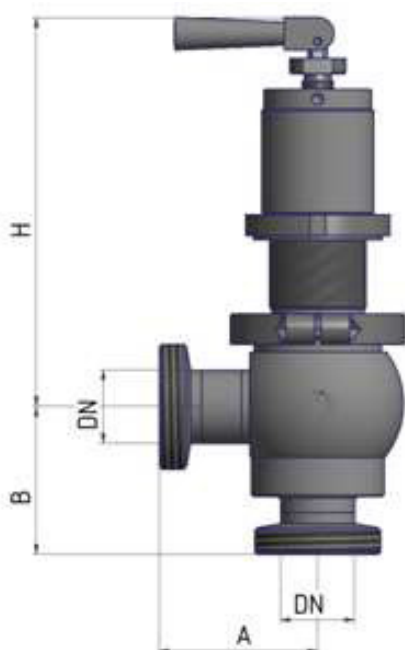
adjustable by hand, with lever for cleaning – with weld ends



DIN	Pipe	A	B	H	kg
10	13 x 1,5	35	35	153	1,4
15	19 x 1,5	40	40	158	1,5
20	23 x 1,5	45	45	160	2,0
25	29 x 1,5	50	50	195	2,9
40	41 x 1,5	60	60	205	4,0
50	53 x 1,5	80	70	255	5,0
65	70 x 2	100	80	310	9,5
80	85 x 2	125	90	340	13,2
100	104 x 2	150	100	350	16,5

Overflow Valve ÜS4.01.122

adjustable by hand, with lever for cleaning – with male ends



DIN	A	B	H	kg
10	56	56	160	1,5
15	61	61	170	1,6
20	69	69	180	2,1
25	79	79	205	3,1
40	93	93	210	4,3
50	115	105	270	5,3
65	140	120	325	10,0
80	170	135	360	13,8
100	204	154	370	17,6



Overflow Valve ÜS4.01.100

adjustable by hand, with lever for cleaning – with weld ends - EPDM

DIN	Reference number
10	40914.1000.01.0001.32
15	40914.1000.01.0002.32
20	40914.1000.01.0003.32
25	40914.1000.01.0004.32
40	40914.1000.01.0006.32
50	40914.1000.01.0007.32
65	40914.1000.01.0008.32
80	40914.1000.01.0009.32
100	40914.1000.01.0010.32

Overflow Valve ÜS4.01.122

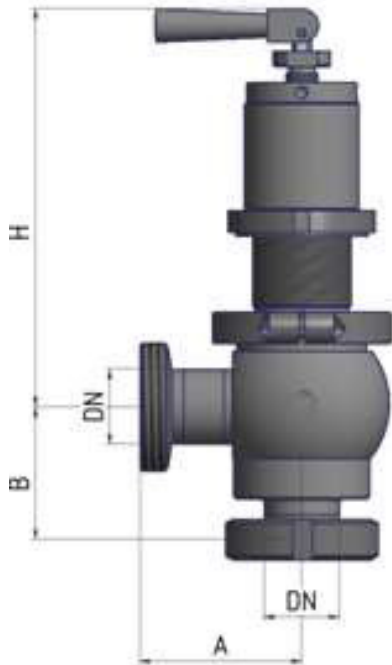
adjustable by hand, with lever for cleaning – with male ends – EPDM

DIN	Reference number
10	40914.1220.01.0001.32
15	40914.1220.01.0002.32
20	40914.1220.01.0003.32
25	40914.1220.01.0004.32
40	40914.1220.01.0006.32
50	40914.1220.01.0007.32
65	40914.1220.01.0008.32
80	40914.1220.01.0009.32
100	40914.1220.01.0010.32



Overflow Valve ÜS4.01.132

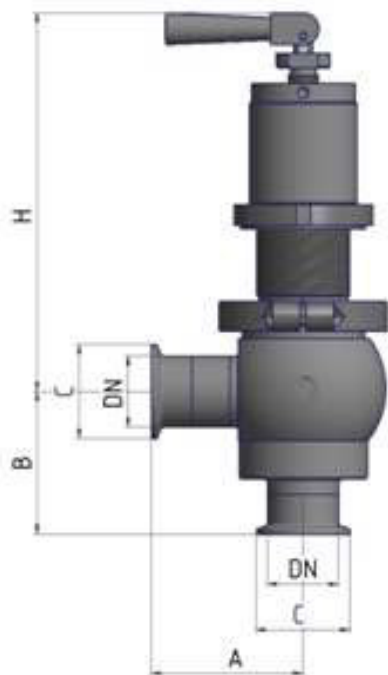
adjustable by hand, with lever for cleaning – inlet liner/nut – outlet male end



DIN	A	B	H	kg
10	52	52	160	1,6
15	57	57	170	1,7
20	64	63	180	2,2
25	72	72	205	3,2
40	83	86	210	4,5
50	103	98	270	5,6
65	125	112	325	10,5
80	150	127	360	14,6
100	180	144	370	18,5

Overflow Valve ÜS4.01.144

adjustable by hand, with lever for cleaning – with clamp ferrules DIN 32676



DIN	Pipe	C	A	B	H	kg
10	13x1,5	34	52,5	52,5	160	1,5
15	19x1,5	34	57,5	57,5	170	1,6
20	23x1,5	34	62,5	62,5	180	2,1
25	29x1,5	50,5	70,5	70,5	205	2,8
40	41,x1,5	50,5	81	81	210	4,2
50	53x1,5	64	101	91	270	5,2
65	70x2	91	107,5	127,5	325	10,2
80	85x2	106	117,5	152,5	360	13,6
100	104x2	119	177,5	127,5	370	17,0



Overflow Valve ÜS4.01.132

adjustable by hand, with lever for cleaning – inlet liner/nut – outlet male end - EPDM

DIN	Reference number
10	40914.1320.01.0001.32
15	40914.1320.01.0002.32
20	40914.1320.01.0003.32
25	40914.1320.01.0004.32
40	40914.1320.01.0006.32
50	40914.1320.01.0007.32
65	40914.1320.01.0008.32
80	40914.1320.01.0009.32
100	40914.1320.01.0010.32

Overflow Valve ÜS4.01.144

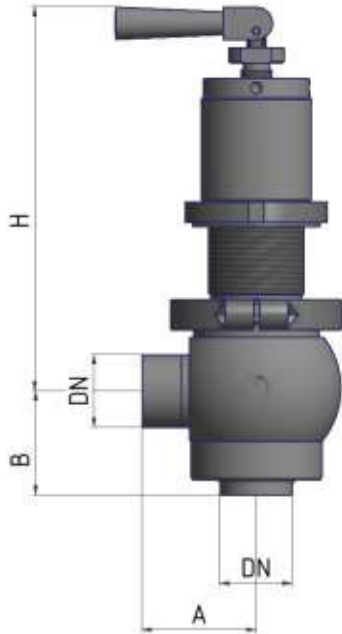
adjustable by hand, with lever for cleaning – with clamp ferrules DIN 32676 - EPDM

DIN	Reference number
10	40914.1440.01.0001.32
15	40914.1440.01.0002.32
20	40914.1440.01.0003.32
25	40914.1440.01.0004.32
40	40914.1440.01.0006.32
50	40914.1440.01.0007.32
65	40914.1440.01.0008.32
80	40914.1440.01.0009.32
100	40914.1440.01.0010.32



Overflow Valve ÜS4.01.100

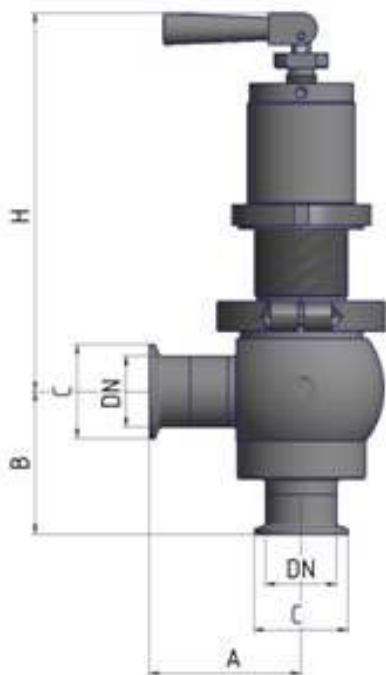
adjustable by hand, with lever for cleaning – with weld ends



Inch	Pipe	A	B	H	kg
1/2"	12,7 x 1,65	40	40	158	1,5
3/4"	19,05 x 1,65	45	45	160	2,0
1"	25,4 x 1,65	50	50	195	2,9
1 1/2"	38,1 x 1,65	60	60	205	4,0
2"	50,8 x 1,65	80	70	255	5,0
2 1/2"	63,5 x 1,65	100	80	310	9,5
3"	76,2 x 1,65	125	90	340	13,2
4"	101,6 x 2,11	150	100	350	16,5

Overflow Valve ÜS4.01.144

adjustable by hand, with lever for cleaning – with clamp ferrules



Inch	Pipe	A	B	H	C	kg
1"	25,4x1,65	70,5	70,5	205	50,5	2,8
1 1/2"	38,1x1,65	81	81	210	50,5	4,2
2"	50,8x1,65	101	91	270	64	5,2
2 1/2"	63,5x1,65	107,5	127,5	325	77,5	10,2
3"	76,2x1,65	117,5	152,5	360	91	13,6
4"	101,6x2,11	177,5	127,5	370	119	17,0



Overflow Valve ÜS4.01.100

adjustable by hand, with lever for cleaning – with weld ends - EPDM

Inch	Reference number
1/2"	40914.1000.01.0022.32
3/4"	40914.1000.01.0023.32
1"	40914.1000.01.0024.32
1 1/2"	40914.1000.01.0026.32
2"	40914.1000.01.0027.32
2 1/2"	40914.1000.01.0028.32
3"	40914.1000.01.0029.32
4"	40914.1000.01.0030.32

Overflow Valve ÜS4.01.144

adjustable by hand, with lever for cleaning – with clamp ferrules - EPDM

Inch	Reference number
1"	40914.1440.01.0024.32
1 1/2"	40914.1440.01.0026.32
2"	40914.1440.01.0027.32
2 1/2"	40914.1440.01.0028.32
3"	40914.1440.01.0029.32
4"	40914.1400.01.0030.32



Spare parts

gasket kit product side for type ÜS

DIN	EPDM		Viton	
	DIN	Reference number	DIN	Reference number
10	5005246	5005323	5005323	
15	5005246	5005323	5005323	
20	5005246	5005323	5005323	
25	5004754	5005081	5005081	
40	5004876	5005279	5005279	
50	5004657	5004728	5004728	
65	5005245	5006438	5006438	
80	5005244	5006620	5006620	
100	5004895	5006322	5006322	



Overflow and Backpressure Valves



RIEGER Overflow valves E8 are a combination of right angle and overflow valves. The desired pressure is adjustable, with a valve stroke as high as possible. Unlike an overflow valve, this valve can be opened up to 100 % - like a right angle valve.

The overflow valve can be sealed.

For reasons of safety, we use clamp unions between valve body and actuator, starting from size DN 25 – only to be opened with a tool.

The overflow valve type E8 is suitable for liquid media. It is NO safety valve. For this purpose, we recommend out TÜV-approved safety valve type SH.

Your benefits

Design	solid valve body no dead spaces completely draining many built-in positions possible
Absolute product safety	high-grade inner surfaces no sump, no dome
Safety	Clamp union between valve body and actuator Optimum cleanability
Efficiency	building block system – easy change between hygienic and aseptic version

Technical Data

Material	product contact optional non product contact	1.4404/AISI316L 1.4435/AISI316L 1.4301/AISI304
Seals	Teflon bellows O-rings/seals	PTFE EPDM (other upon request)
Temperatures	maximum operating temperature sterilization temperature	EPDM PTFE 130 °C* 121 °C* 150 °C* 135 °C* short-time (ca. 20 min)
Operating pressure	possible set pressure for O-ring version PTFE bellows version set pressure range dependent on installed pressure spring control air pressure	0,5 to 6 bar 2,0 to 6 bar Requested set pressure required in purchase order. min. 6 bar - max. 10 bar
Surfaces	product contact non product contact	Ra <= 0,8 µm electro polished Ra <=1,6 µm
Connections	DIN 11850-R2 (DIN 11866 A)	

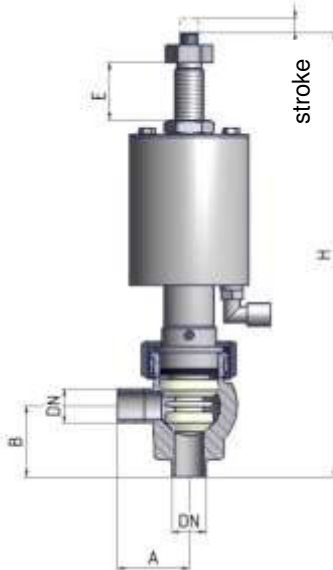


*dependent on operating conditions



Overflow Valve E8.02

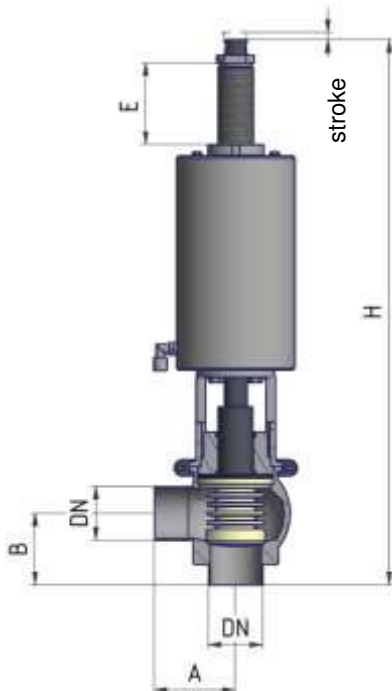
Aseptic Type



DIN	Pipe	E	A	B	H	Stroke	kg
10	13 x 1,5	33	35	35	254	5	2,2
15	19 x 1,5	33	40	40	254	5	2,3
20	23 x 1,5	33	45	45	261	5	2,5

Overflow Valve E8.02

Aseptic Type



DIN	Pipe	E	A	B	H	Stroke	kg
25	29 x 1,5	38	50	50	381	7	6,0
40	41 x 1,5	50	60	50	429	9	7,2
50	53 x 1,5	78	80	70	546	12	8,2
65	70 x 2	92	100	80	633	16	15,9
80	85 x 2	92	125	90	670	19	19,5



Overflow Valve E8.02

Aseptic Type - PTFE

DIN	Reference number	Reference number	Gasket Kit Product Side
10	40201.2000.05.0001.32	5006364	
15	40201.2000.05.0002.32	5006364	
20	40201.2000.05.0003.32	5006365	

Overflow Valve E8.02

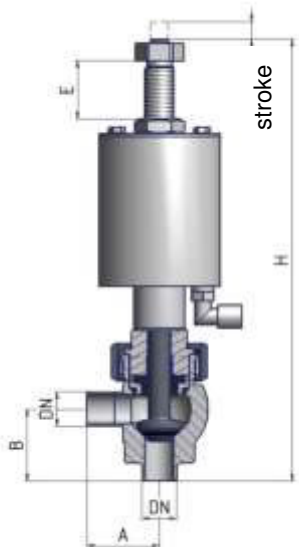
Aseptic Type - PTFE

DIN	Reference number	Reference number	Gasket Kit Product Side
25	40210.2000.05.0004.32	5006371	
40	40210.2000.05.0006.32	5006372	
50	40210.2000.05.0007.32	5006373	
65	40210.2000.05.0008.32	5006374	
80	40210.2000.05.0009.32	5006375	



Overflow Valve E8.01

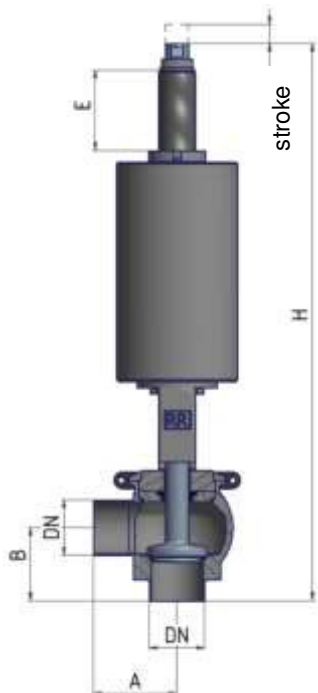
Hygienic Type



DIN	Pipe	E	A	B	H	Stroke	kg
10	13 x 1,5	33	35	35	254	10	2,2
15	19 x 1,5	33	40	40	254	10	2,3
20	23 x 1,5	33	45	45	261	10	2,5

Overflow Valve E8.01

Hygienic Type



DIN	Pipe	E	A	B	H	Stroke	kg
25	29 x 1,5	38	50	50	381	18	6,0
40	41 x 1,5	50	60	50	429	18	7,2
50	53 x 1,5	78	80	70	546	22	8,2
65	70 x 2	92	100	80	633	25	15,9
80	85 x 2	92	125	90	670	27	19,5



Overflow Valve E8.01

Hygienic Type - EPDM

DIN	Reference number	Reference number	Gasket Kit Product Side
10	40201.1000.01.0001.32	5006363	
15	40201.1000.01.0002.32	5006363	
20	40201.1000.01.0003.32	5006363	

Overflow Valve E8.01

Hygienic Type - EPDM

DIN	Reference number	Reference number	Gasket Kit Product Side
25	40210.1000.01.0004.32	5006366	
40	40210.1000.01.0006.32	5006367	
50	40210.1000.01.0007.32	5006368	
65	40210.1000.01.0008.32	5006369	
80	40210.1000.01.0009.32	5006370	



Overflow and Backpressure Valves



The **RIEGER Backpressure valve DH2** fulfills the task to maintain a defined pressure on the valve's inlet side. This may be i.e. the pressure (PP) in a pipe after a filter or heat exchanger. If the pressure drops after the filter, the valve automatically adjusts to the requested set pressure.

This is achieved by means of a maintenance unit (PL), whose pressure gauge is adjusted to the desired pressure of the pressure-holding valve.

The product space is protected by the PTFE-bellows against contamination from ambient, i.e. the "lift effect" is avoided.

Your benefits

Design	solid valve body no dead spaces
Design	high-grade inner surfaces
Serviceable maintenance	exchange of gaskets without special tools optimum cleanability
Efficiency	orbital welding standard O-rings

Technical Data

Material	product	1.4404/AISI316L
	contact	1.4435/AISI316L
	optional non product contact	1.4301/AISI304
Seals	bellows	PTFE
Temperatures maximum	operating temperature*	max. 121 °C*
	sterilization temperature*	max. 135 °C* short-time (approx. 20 min)
Set pressure ranges	possible from 2 up to 6 bar	
Surfaces	product	Ra <= 0,8 µm
	contact	
	optional non product contact	electro polished Ra <=1,6 µm
Connections	DIN 11850-R2 (DIN 11866 A)	
Design	sterilizable control cone = no lift effect by chambered valve spindle	
Maintenance unit	Consists of air pressure control valve and manometer e.g. from Festo, Bürkert with optional accessories like oil filter, silencer a.s.o. – is to be provided by the customer	

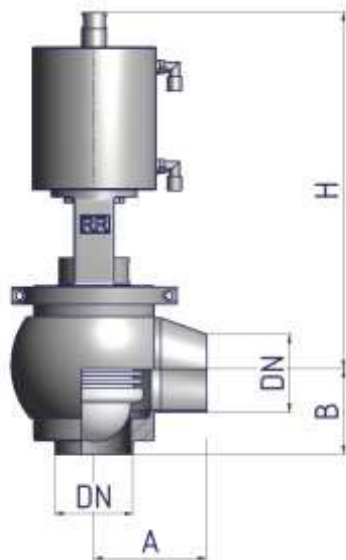


*dependent on operating conditions



Aseptic Backpressure Valve

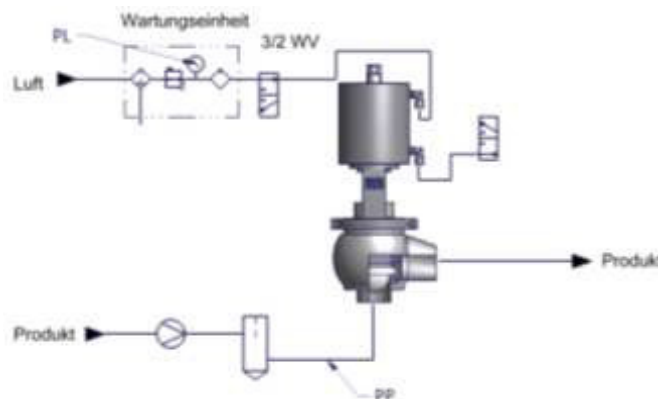
with PTFE bellows



DIN	Pipe	A	B	H	Stroke	VF	kg
20	23 x 1,5	50,5	42	176	10	0,18	
25	29 x 1,5	73	44,5	261	14	0,14	
40	41 x 1,5	80	54	310	16	0,19	
50	53 x 1,5	98	62	326	20,5	0,31	
65	70 x 2	101	65	337	24,5	0,5	
80	85 x 2	121	80,5	400	31	0,5	
ER(bar): +/- 0,1							

Calculation formula for to be adjusted air pressure P_L :

$$P_L = (PP \times VF) \pm 0,1 \text{ bar}$$



First, the 3/2-way-solenoid valve is positioned on passage in direction of the pressure retaining valve. In case of cleaning the solenoid valve is turned, the regulating cone opens and the air is vented through the solenoid valve. The pressure remains constant to the adjusted pressure in bar, even if the pressure after the pressure retaining valve changes.

Example for DN 25 with P_P (product pressure) of 3 bar between filter and pressure retaining valve:

$$P_L = (3 \text{ bar} \times \text{factor } VF \text{ } 0,14) \pm 0,1 \text{ bar} = 0,42 \pm 0,1 \text{ bar},$$

i.e.: P_L : approx. 0,32 to 0,52 bar (dependent on the plant)

The shown values are reference points. The to be adjusted pressure depends on weight of regulating cone, friction, product, temperature a.s.o. As a consequence the pressure has to comply with the



circumstances in place. Mentioned values are only approximate values.

Aseptic Backpressure Valve

with PTFE bellows

DIN	Reference number	Gasket Kit Product Side
20	41130.2000.05.0003.32	5006059
25	41130.2000.05.0004.32	5006060
40	41130.2000.05.0006.32	5005513
50	41130.2000.05.0007.32	5005134
65	41130.2000.05.0008.32	5006061
80	41130.2000.05.0009.32	5006062

Aseptic Backpressure Valve 3-A Standard 53-06

with PTFE bellows

DIN	Reference number	Gasket Kit Product Side
20	40060.2000.05.0003.32	5006059
25	40060.2000.05.0004.32	5006060
40	40060.2000.05.0006.32	5005513
50	40060.2000.05.0007.32	5005134
65	40060.2000.05.0008.32	5006061
80	40060.2000.05.0009.32	5006062



Control top 8681

for pneumatic valves

Type	Reference number	Description
CT1	3008681-001	without solenoid valve, 24V DC, cable gland e.g. for single seat valves only position indication
CT2	3008681-002	1 solenoid valve, 24V DC, cable gland e.g. for single seat valves with actuator NC or NO
CT3	3008681-003	2 solenoid valves, 24V DC, cable gland e.g. for single seat valves with actuator air/air or mix proof valves N5, N9
CT4	3008681-004	3 solenoid valves, 24V DC, cable gland e.g. for mix proof valves N1, N2, N3, N4, N7
CT5	3008681-005	1 solenoid valve, BUS, flat cable terminal with 1 m cable e.g. for single seat valves with actuator NC or NO
CT6	3008681-006	2 solenoid valves, BUS, flat cable terminal with 1 m cable e.g. for single seat valves with actuator air/air or mix proof valves N5, N9
CT7	3008681-007	3 solenoid valves, BUS, flat cable terminal with 1 m cable e.g. for mix proof valves N1, N2, N3, N4, N7

Description

Control top for hygienic and aseptic process valves.
Non-contact indication with three switch points (Teach-in-function)

Two alternatives:

Version 24V DC with 4 binary

outputs:

with 3 internal proximity switches, 1 output for external proximity switch (external proximity switch not included in scope of delivery)

Version BUS:

with AS-Interface 62 Slaves



Control top 8681

without mounting set – upon separate order



weight: 0,9 kg / 2 lb

Type	Reference number	
CT1	3008681-001	196410
CT2	3008681-002	196411
CT3	3008681-003	196412
CT4	3008681-004	196413
CT5	3008681-005	196431
CT6	3008681-006	106432
CT7	3008681-007	196433

not discountable

Mounting sets

for control top 8681

DN	Reference number	Valve type	kg / lb
DIN 10 - DIN 20 >1"	5008681-001	Single seat valves	1,0 / 2,2
DIN 25 - DIN 40 1" - 1 1/2"	5008681-002	Single seat valves	1,1 / 2,4
DIN 50 - DIN 65 2" - 2 1/2"	5008681-003	Single seat valves	1,2 / 2,6
DIN 80 - DIN 100 3" - 4"	5008681-004	Single seat valves	1,2 / 2,6
DIN 25 - DIN 100 1" - 4"	5008681-005	Mix proof valves	1,2 / 2,6

not discountable



Control tops 8692 and 8694 (positioner)

for pneumatic control/regulating valves

Digital electro-pneumatic positioner for the integrated attachment to process regulating valves

- compact stainless steel design
- with graphic display including back ground illumination (8694 without display)
- very simple start-up directly at control top 8692 by display, 8694 by PLC
- wide-ranging software functions
- integrated control air leading into the actuator



Reference number

Version

3008692-001 00227301 0,9 /2

3008694-001 00227417 0,9/2

each without mounting set – upon separate order

not discountable

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