

6 Double Seal Valve D



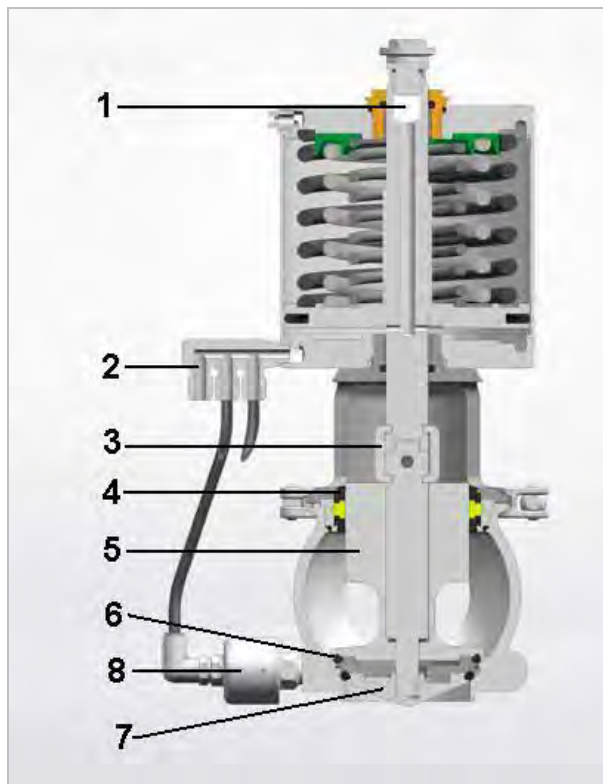
INFORMATION

The EVOGUARD double seal valve provides safe isolation of product chambers as well as seal monitoring. This seat valve has a threaded valve disk, a built-in safety chamber and two seals. The safety chamber can be monitored and cleaned using two flush valves.

Any seal defect causes leakage which can be detected at the flush valve. The seal can then be quickly replaced. All of the other design details are the same as on the single seat valve. The valves are suitable for safe separation of media and they have a monitoring function.

Design features of modular double seal valves

- Same seals used for sealing the valve disk
- Three-piece threaded valve disk for the sealing ring for ease of installation
- Leakage detection with flush valves
- Tangential inflow of flush medium for optimal cleaning effect
- Specially designed clearance for safe hygiene status at the sealing position
- Rotational decoupling on linkage between valve shaft and drive for torsion-free lift motion of the valve disk
- Shaft seal with wiper function protects against contamination ingress
- External air fitting supplied as standard feature
- Internal airflow when a control head is used



- 1 Internal airflow on version with control head
- 2 External air connection
- 3 Valve shaft connection with rotational decoupling
- 4 Shaft seal with wiper function
- 5 Valve disk with balancer
- 6 Metal stop
- 7 Three-piece valve disk, threaded
- 8 Flush valve

TECHNICAL DATA

Pressures

Product pressure	PN 87 psi (6 bar), 145 psi (10 bar) / vacuum -13.8 psi (-0.95 bar)
Housing	PN 360 psi (25 bar)
Control air pressure	min. 87 psi (6 bar) - max. 115 psi (8 bar)

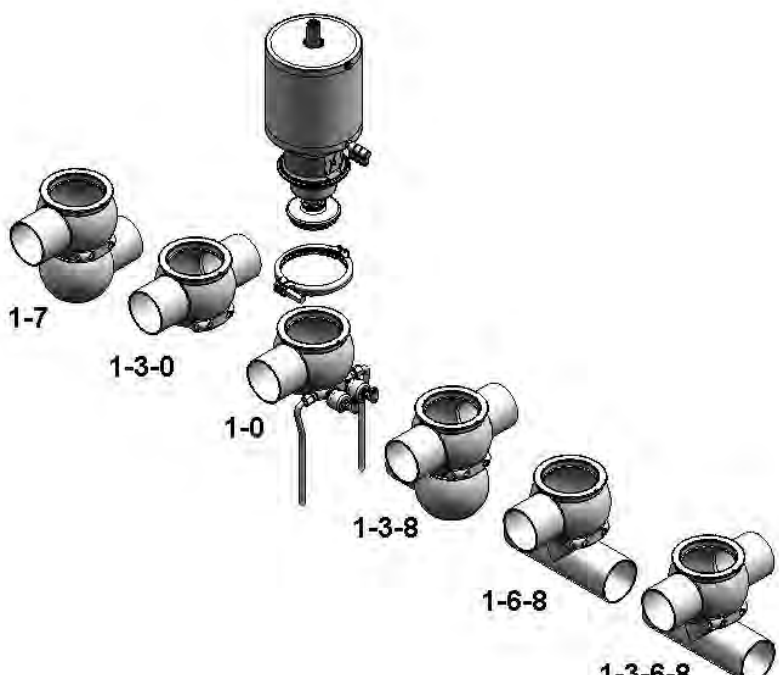
Material

With product contact	1.4404 / AISI 316L
Without product contact	1.4301
Seal	EPDM / FDA Further materials available upon request

Surface

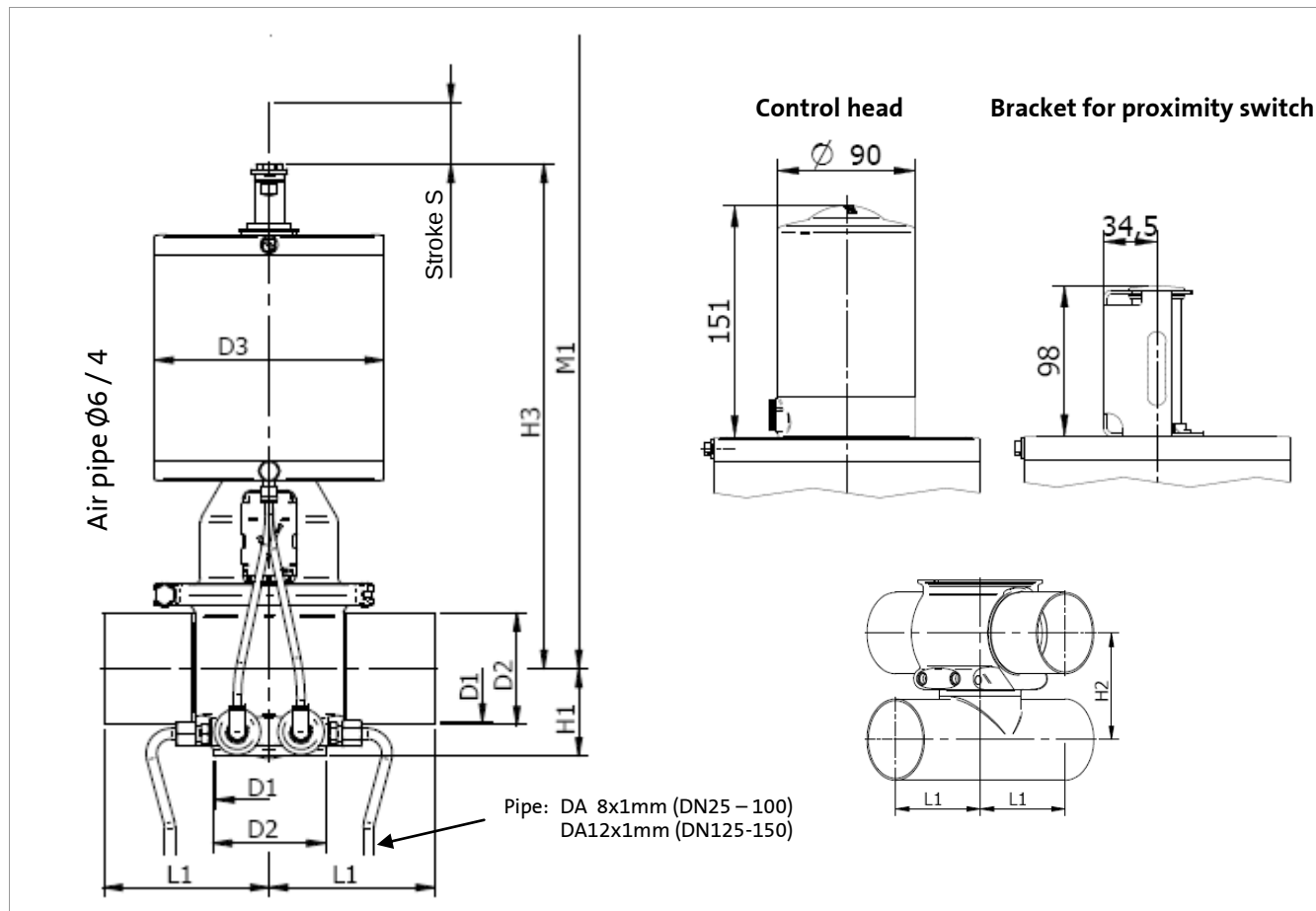
With product contact	$Ra \leq 0.8 \mu$
Without product contact	$Ra \leq 1.6 \mu$

Designs

Housing versions	
Actuator	Pneumatic actuator NC
Additional equipment	Control head Proximity switch M12x1

According to legal requirements
EU Pressure Equipment Directive 2014/68/EU
EU Machinery Directive 2006/42/EC
Design check by TÜV Süd

DOUBLE SEAL VALVE D NC DN

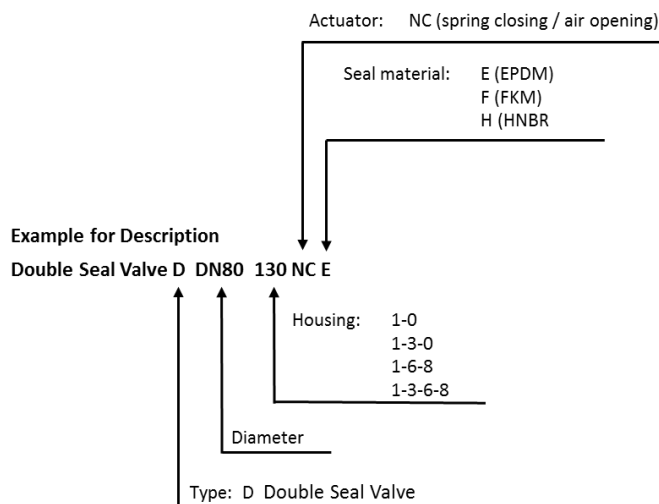


Dimensions

DN	ØD1 mm	ØD2 mm	ØD3 6 bar mm	ØD3 10 bar mm	L1 mm	H1 mm	H2 mm	H3 mm	M1 mm	Stroke mm
25	26	29		89	90	37	54	284	370	9
40	38	41		108	90	43	66	282	380	14
50	50	53		108	90	49	77	282	390	19
65	66	70	108	133	125	58	93	291	420	22
80	81	85	133	173	125	66	111	314	450	26
100	100	104	173	216	125	75	127	397	560	32
125	125	129	216	216	150	82	149	422	620	36
150	150	154	216	216	150	95	175	637	850	42

Weight

DN	1-0 kg	1-3-0 kg	1-6-8 kg	1-3-6-8 kg
25	5,9			
40	11,9			
50	12,0			
65	14,3			
80	25,4			
100	42,1			
125	69,8			
150	84,1			

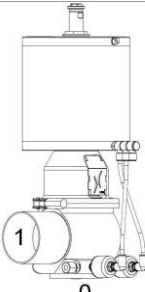


DOUBLE SEAL VALVE D NC PRODUCT PRESSURE 6 BAR DN

Including switch mount for proximity switch

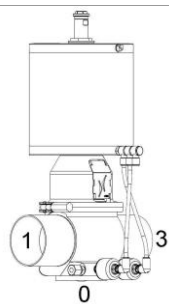
1-0

1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25			
	40			
	50			
	65			
	80			
	100	0903986405		
	125	0902789892		
	150	0902970036		

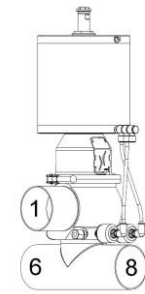
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1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25			
	40			
	50			
	65	0905290541		
	80			
	100	0903916903		
	125	0902969181		
	150	0902764446		

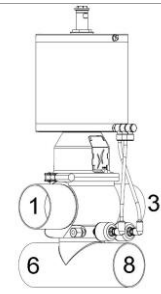
1-6-8

1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25			
	40			
	50			
	65			
	80			
	100	0903712644		
	125	0904183608		
	150			

1-3-6-8

1.4404 / AISI 316L

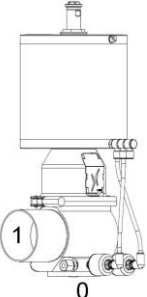
	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25			
	40			
	50			
	65	0902305220		
	80			
	100	0904705488		
	125	0903031728		
	150			

DOUBLE SEAL VALVE D NC PRODUCT PRESSURE 10 BAR DN

Including switch mount for proximity switch

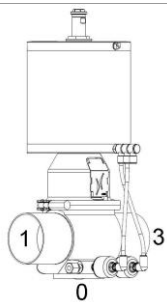
1-0

1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902305203		0903717049
	40	0903488070		
	50	0903045299		
	65	0902305206		
	80	0902305207	0903741923	
	100	0902305209		
	125	0904457521		
	150	0903633049		

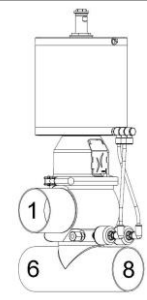
1-3-0

1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902305166		0902962638
	40	0903488038		
	50	0903597067		
	65	0902305169	0903940346	
	80	0902305200	0904133944	
	100	0902305202		
	125	0903597181		
	150			

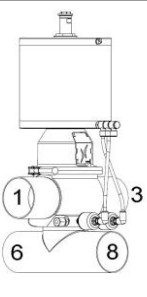
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1.4404 / AISI 316L

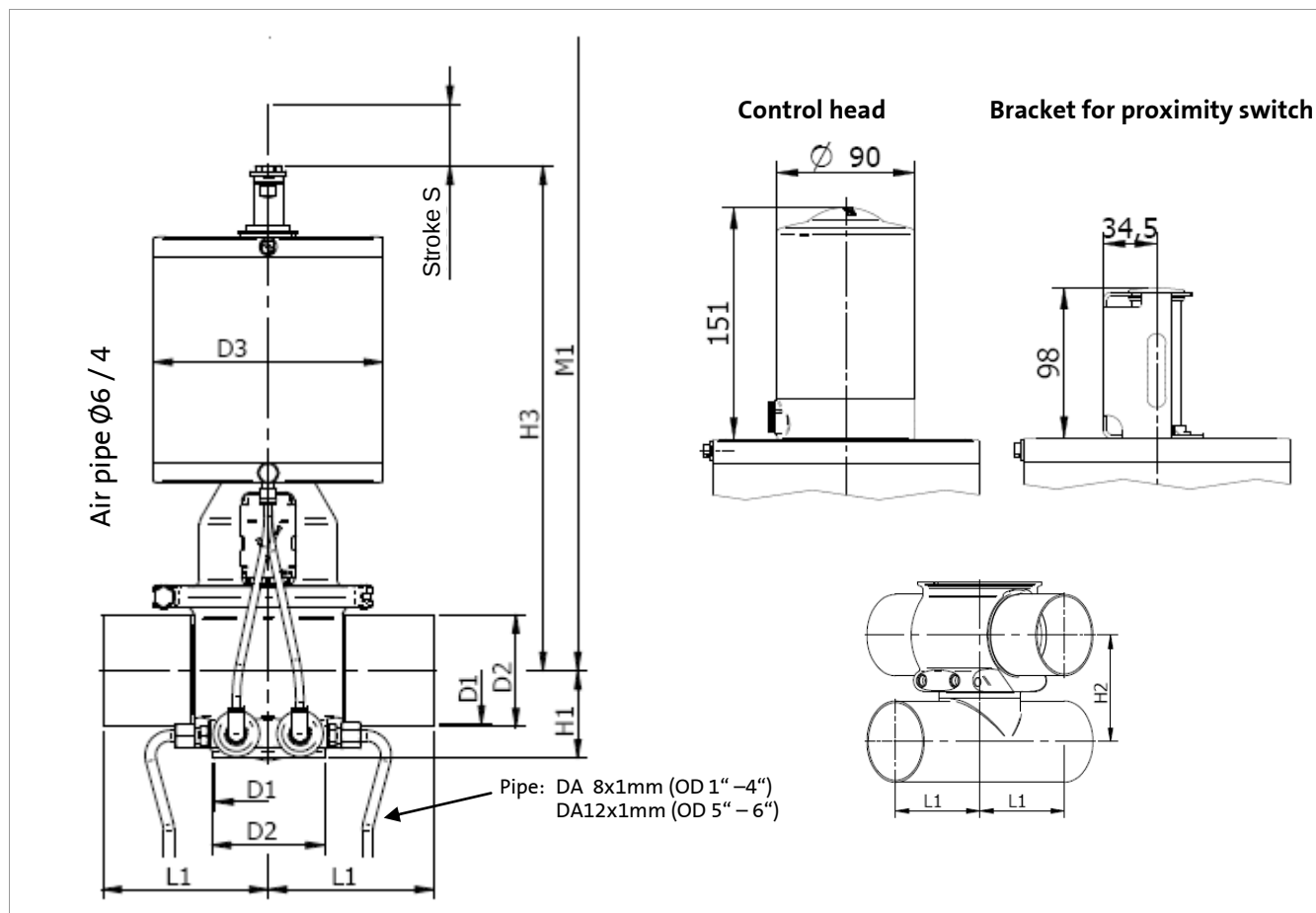
	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0903389195		
	40	0903031079		
	50	0904207111		
	65	0902305213		
	80	0902305212		
	100	0903016348		
	125	0904680309		
	150			

1-3-6-8

1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25			
	40	0904083636		
	50	0903618938		
	65	0902305220		
	80	0902305221	0903741921	
	100	0903016349		
	125	0904680308		
	150			

DOUBLE SEAL VALVE NC OD

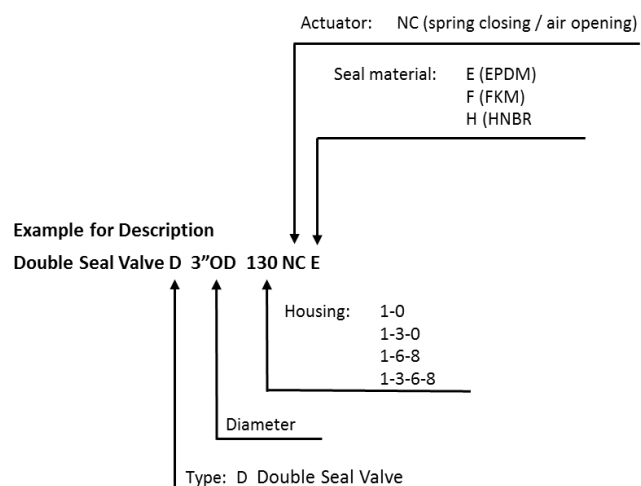


Dimensions

Inch OD	ØD1 mm	ØD2 mm	ØD3 6 bar mm	ØD3 10 bar mm	L1 mm	H1 mm	H2 mm	H3 mm	M1 mm	Stroke mm
1"	22,1	25,4		89	90	37	54	284	370	9
1,5"	34,8	38,1		108	90	43	66	282	380	14
2"	47,5	50,8		108	90	49	77	282	390	19
2,5"	60,2	63,5	108	133	125	58	93	291	420	22
3"	76,2	72,9	133	173	125	66	111	314	450	26
4"	97,38	101,6	173	216	125	75	127	397	560	32
5"										
6"	146,9	152,4	216	216	150	95	175	637	850	42

Weight

Inch OD	1-0 kg	1-3-0 kg	1-6-8 kg	1-3-6-8 kg
1"	5,9			
1,5"	11,9			
2"	12,0			
2,5"	14,3			
3"	25,4			
4"	42,1			
5"				
6"	84,1			

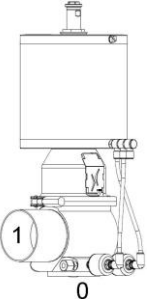


DOUBLE SEAL VALVE D NC PRODUCT PRESSURE 6 BAR OD

Including switch mount for proximity switch

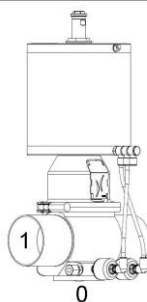
1-0

1.4404 / AISI 316L

	Inch OD	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	1"			
	1,5"			
	2"			
	2,5"			
	3"			
	4"			
	5"			
	6"			

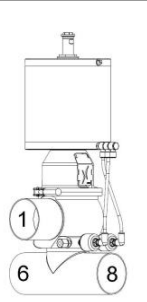
1-3-0

1.4404 / AISI 316L

	Inch OD	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	1"			
	1,5"			
	2"			
	2,5"	0904837349		
	3"			
	4"	0904837500		
	5"			
	6"			

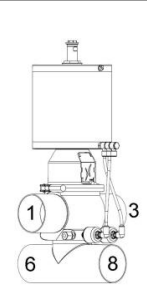
1-6-8

1.4404 / AISI 316L

	Inch OD	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	1"			
	1,5"			
	2"			
	2,5"			
	3"			
	4"			
	5"			
	6"			

1-3-6-8

1.4404 / AISI 316L

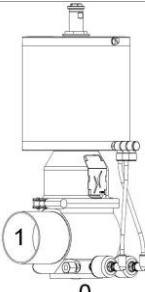
	Inch OD	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	1"			
	1,5"			
	2"			
	2,5"			
	3"			
	4"			
	5"			
	6"			

DOUBLE SEAL VALVE D NC PRODUCT PRESSURE 10 BAR OD

Including switch mount for proximity switch

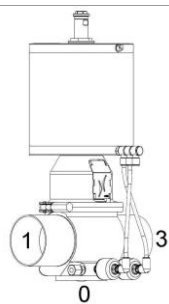
1-0

1.4404 / AISI 316L

	Inch OD	- EPDM Material no.	- HNBR Material no.	- FKM Material no.
1"				
1,5"				
2"				
2,5"				
3"				
4"		0904256900		
5"				
6"				

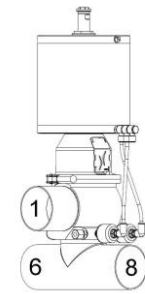
1-3-0

1.4404 / AISI 316L

	Inch OD	- EPDM Material no.	- HNBR Material no.	- FKM Material no.
1"		0904250372		
1,5"		0904837340		
2"		0904837342		
2,5"		0903517071		
3"		0904486842		
4"				
5"				
6"				

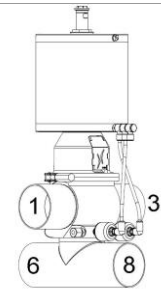
1-6-8

1.4404 / AISI 316L

	Inch OD	- EPDM Material no.	- HNBR Material no.	- FKM Material no.
1"				
1,5"				
2"				
2,5"				
3"		0904706933		
4"				
5"				
6"				

1-3-6-8

1.4404 / AISI 316L

	Inch OD	- EPDM Material no.	- HNBR Material no.	- FKM Material no.
1"				
1,5"				
2"				
2,5"				
3"				
4"				
5"				
6"				

SPARE PARTS DOUBLE SEAL VALVE D

Seal kit with product contact DN

	DN	EPDM	HNBR	FKM
		Material no.	Material no.	Material no.
	25	0902517123	0903943167	0903425395
	40	0902517125	0903943168	0903943283
	50	0902517125	0903943168	0903943283
	65	0902517126	0903940348	0903943285
	80	0902517127	0903943169	090394326
	100	0902517128	0903943280	0903943287
	125	0902517129	0903943281	0903943288
	150	0902517170	0903943282	0903943289

Seal kit with product contact OD

	Inch OD	EPDM	HNBR	FKM
		Material no.	Material no.	Material no.
	1"	0902517123	0903943167	0903425395
	1,5"	0902517125	0903943168	0903943283
	2"	0902517125	0903943168	0903943283
	2,5"	0902517126	0903940348	0903943285
	3"	0902517127	0903943169	090394326
	4"	0902517128	0903943280	0903943287
	5"			
	6"	0902517170	0903943282	0903943289

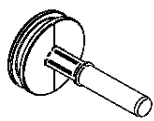
Seal kit, actuator

	DN	
		Material no.
	25	0902763710
	40	
	50	
	65	
	80	
	100	
	125	
	150	

Bearing set

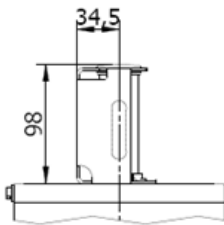
	DN	
		Material no.
	25	0902517063
	40	0902517066
	50	0902517066
	65	0902517067
	80	0902517069
	100	0902517092
	125	0902517093
	150	0902517094

Piston for rinsing valve

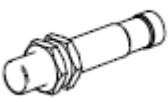
	DN	
	25	0903627318
	40	
	50	
	65	
	80	
	100	
	125	0903627390
	150	

ADDITIONAL EQUIPMENT DOUBLE SEAL VALVE D

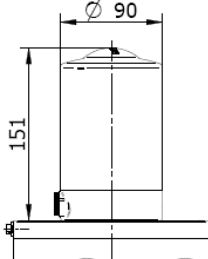
Proximity switch mount M12x1

	DN	Material no.
	25	0903370971
	40	
	50	
	65	
	80	
	100	
	125	
	150	

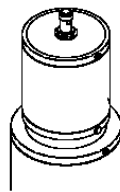
Proximity switch M12x1

	DN	Material no.
	25	0901443696
	40	
	50	
	65	
	80	
	100	
	125	
	150	

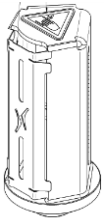
Control head, 2 proximity switches

	DN	24 V DC 2 proximity switches 1 solenoid valve	24 V DC ASI 2 proximity switches 1 solenoid valve
		Material no.	Material no.
	25	0903679847	0904737043
	40		
	50		
	65		
	80		
	100		
	125		
	150		

Damping cylinder

	DN	Material no.
	25	0902823833
	40	
	50	
	65	
	80	
	100	
	125	
	150	

Limit of stroke, position OPEN or CLOSE

	DN	
	25	Material no. 0903887569
	40	
	50	
	65	
	80	
	100	
	125	
	150	

