



SPARE PARTS CATALOGUE €

Release Date: 11. August.2016

Important Information:

Single seated valves:

It is recommended to conduct a seat leakage test after successful repair of control valves. The max allowed leakage rate for single seated valves is 0.05% of Kv100.

Double seated valves:

Repair of double seated valves require seat leakage test after finishing the repair. Max. allowed leakage rate for double seated valves is 0.5% of Kv100.

If it is not possible to carry out leakage test it is recommended to replace the defective valve with a new one.

3-way valves:

It is recommended to conduct a seat leakage test after successful repair of control valves. The max. allowed leakage rate for 3-way valves is 0.5% of Kv100.

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Content Table for Spare Parts

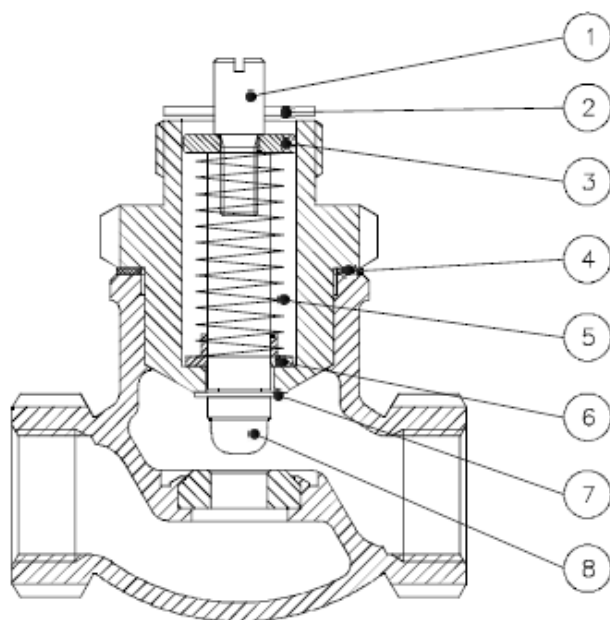
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L1S SPARE PARTS

2-way Control Valves

Gun Metal, PN 16, DN 15/6-20 mm

S-2.2.02-A



DN15-20

Pos.	Component
1	Press Button
2	Gasket
3	Washer
4	Gasket
5	Spring
6	Bushing
7	Cone
8	Locking ring

Order Information:

Trim set	Pos.	Valve	Item No.
components pos.	1 to 8	15/6 L1S	1-2990110
	1 to 8	15/9 L1S	1-2990111
	1 to 7	15/12 L1S	1-2990112
	1 to 7	15 L1S	1-2990113
	1 to 7	20 L1S	1-2990121

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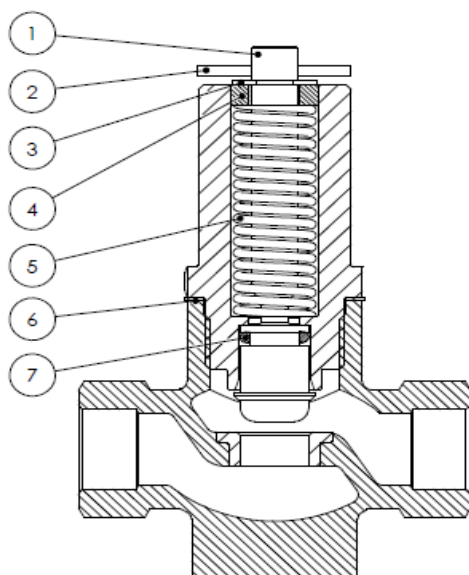
Clorius
CONTROLS

L1SB SPARE PARTS

2-way Control Valves type

Gun Metal, PN 16, DN 15-32 mm

S-2.2.04-A



DN15-32

Pos.	Component
1	Cone
2	Gasket
3	Locking ring
4	Disc
5	Spring
6	Gasket
7	O-ring

Order Information:

Trim set	Pos.	Valve	Item No.
components pos.	1 to 7	15 L1SB	1-2990115
	1 to 7	20 L1SB	1-2990116
	1 to 7	25 L1SB	1-2990117
	1 to 7	32 L1SB	1-2990118

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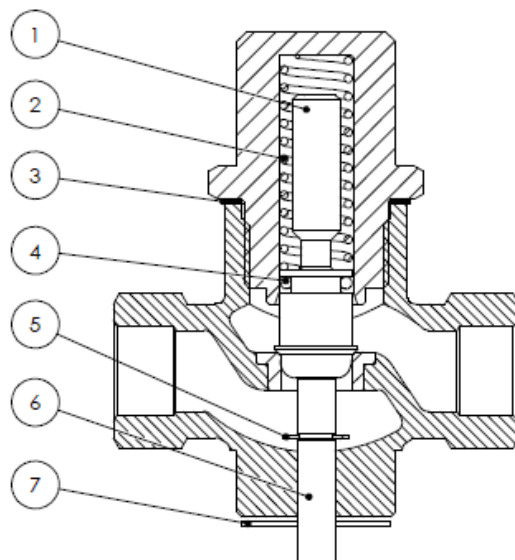
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CONTROLS

L1SBR SPARE PARTS

Balanced 2-way Control Valves

Gun Metal, PN 16, DN 15-32 mm, Reverse acting

S-2.2.04.01-A



DN15-32

Pos.	Component
1	Cone
2	Spring
3	Gasket
4	O-ring
5	Locking ring
6	Spindle
7	Gasket

Order Information:

Trim set	Pos.	Valve	Item No.
components pos.	1 to 7	15 L1SBR	1-2990125
	1 to 7	20 L1SBR	1-2990126
	1 to 7	25 L1SBR	1-2990127
	1 to 7	32 L1SBR	1-2990128

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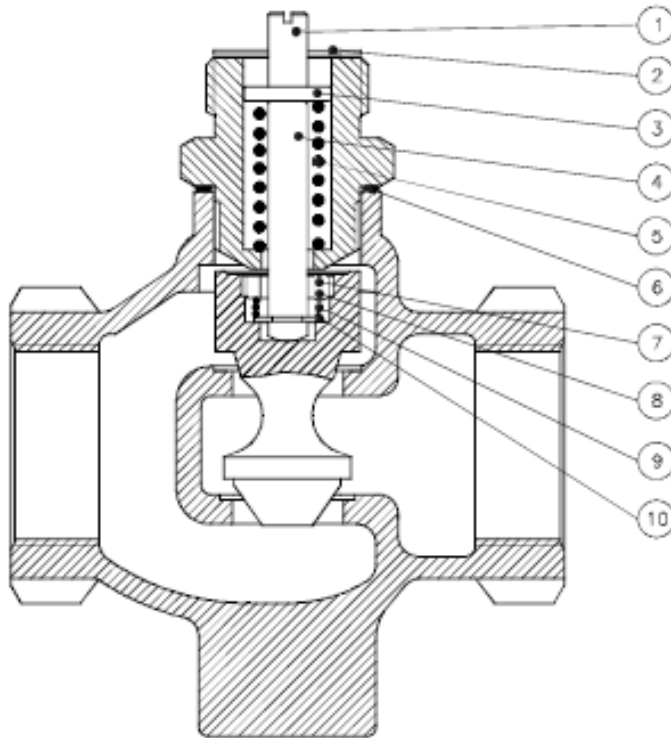
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CONTROLS

L2S SPARE PARTS

2-way Control Valves

Gun Metal, PN 16, DN 40-50 mm

S-2.2.05-A



DN40-50

Pos.	Component
1	Press Button
2	Gasket
3	Disc
4	Cone shaft
5	Spring
6	Gasket
7	Screwed ring
8	Disc
9	Spring
10	Locking ring

Order Information:

Trim set	Pos.	Valve	Item No.
components pos.	1 to 10	40-50 L2S	1-2990148

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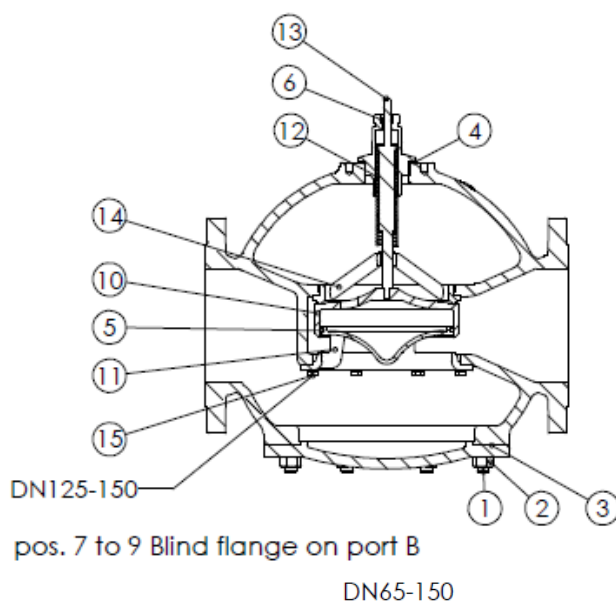
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CONTROLS

L2F SPARE PARTS

2-way Control Valves

Gun Metal, PN 10, DN 65-150 mm

S-2.2.05.01-A



Pos. Component

1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	Gasket of blind flange
8	Nut of blind flange
9	Screw of blind flange
10	Cone
11	Lower seat
12	Spring
13	Spindle
14	Upper seat
15	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 9	65 L2F	1-2990240
	1 to 9	80 L2F	1-2990241
	1 to 9	100 L2F	1-2990242
	1 to 9	125 L2F	1-2990243
	1 to 9	150 L2F	1-2990244
Trim set	Pos.	Valve	Item No.
components pos.	1 to 13	65 L2F	1-2990246
	1 to 14	80 L2F	1-2990247
	1 to 14	100 L2F	1-2990248
	1 to 15	125 L2F	1-2990249
	1 to 15	150 L2F	1-2990250

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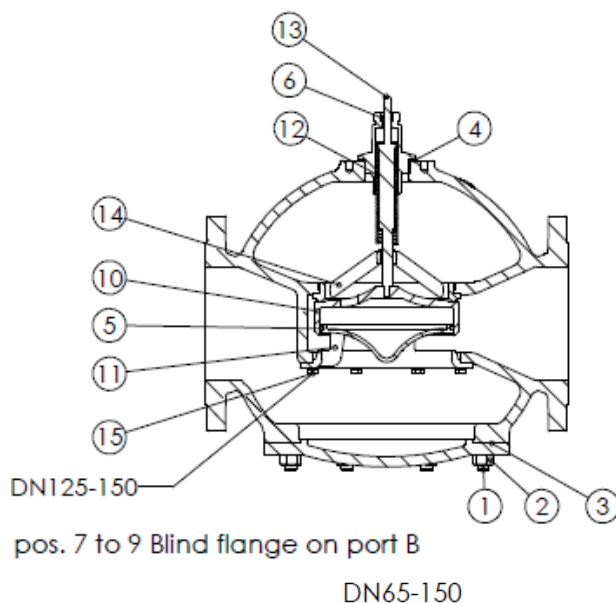
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CONTROLS

L2FR SPARE PARTS

2-way Control Valves

Gun Metal, PN 10, DN 65-150 mm

S-2.2.05.02-A



Pos. Component

1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	Gasket of blind flange
8	Nut of blind flange
9	Screw of blind flange
10	Cone
11	Lower seat
12	Spring
13	Spindle
14	Upper seat
15	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 9	65 L2FR	1-2990240
	1 to 9	80 L2FR	1-2990241
	1 to 9	100 L2FR	1-2990242
	1 to 9	125 L2FR	1-2990243
	1 to 9	150 L2FR	1-2990244
Trim set	Pos.	Valve	Item No.
components pos.	1 to 13	65 L2FR	1-2990246
	1 to 14	80 L2FR	1-2990247
	1 to 14	100 L2FR	1-2990248
	1 to 15	125 L2FR	1-2990249
	1 to 15	150 L2FR	1-2990250

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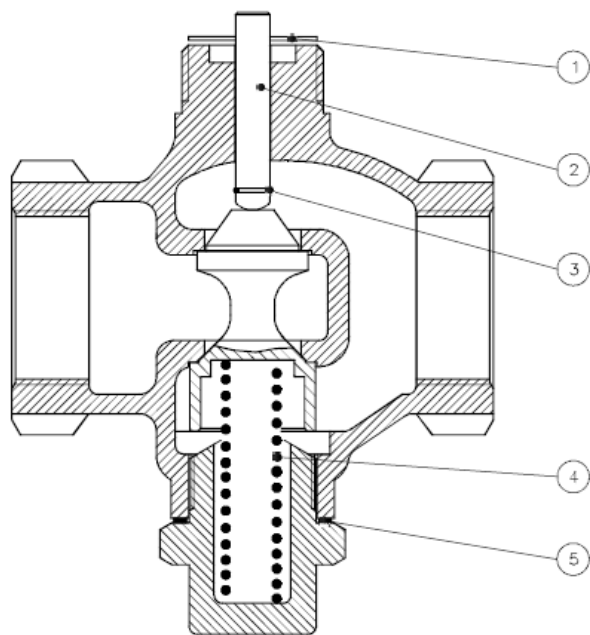
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CONTROLS

L2SR SPARE PARTS

2-way Control Valves

Gun Metal, PN 16, DN 40-50 mm, 2 seats, Reverse acting

S-2.2.06-A



DN40-50

Pos.	Component
1	Press Button
2	Gasket
3	O-ring
4	Spring
5	Gasket

Order Information:

Trim set	Pos.	Valve	Item No.
components pos.	1 to 5	40-50 L2SR	1-2990149

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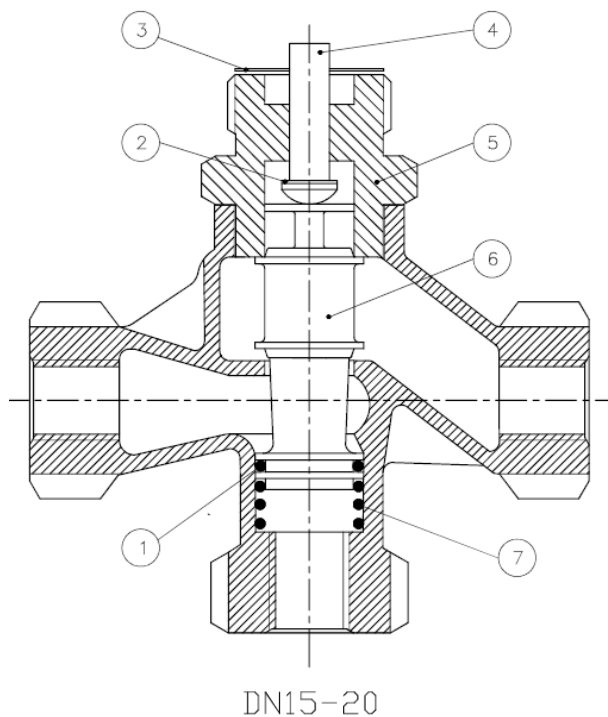
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CONTROLS

L3S SPARE PARTS

3-way Control Valves

Gun Metal, PN 10, DN 15-50 mm

S-2.2.07-A



Pos.	Component
1	O-ring
2	Washer
3	Packing
4	Press Button
5	Screwed cone
6	Cone
7	Spring

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 3	15-20 L3S	1-2990739
Trim set	Pos.	Valve	Item No.
components pos.	1 to 7	15 L3S	1-2990740
	1 to 7	20 L3S	1-2990741

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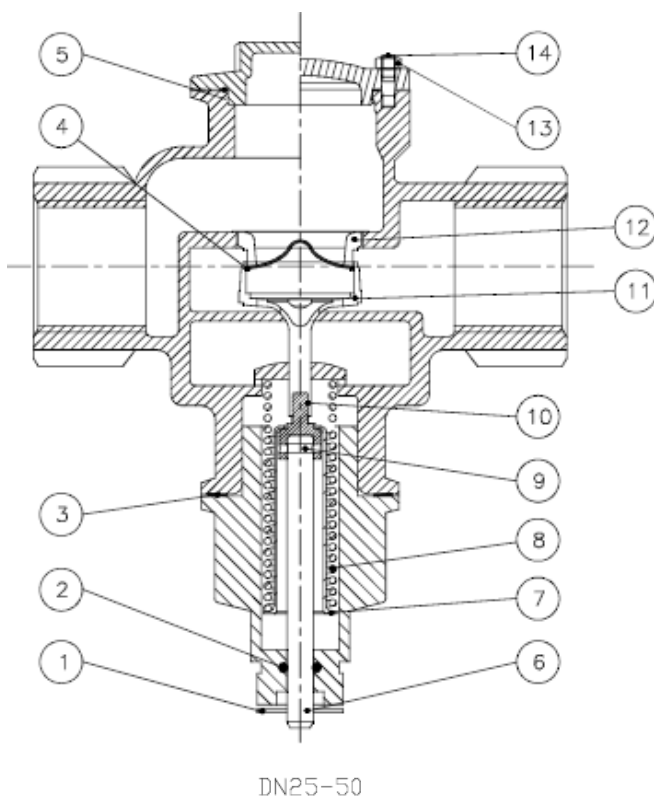
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CONTROLS

L3S SPARE PARTS

3-way Control Valves

Gun Metal, PN 10, DN 15-50 mm

S-2.2.07-A



Pos.	Component
1	Gasket
2	O-ring
3	Gasket
4	O-ring
5	Gasket
6	Spindle
7	Spring guide
8	Spring
9	Pin
10	Heads of spindle
11	Cone
12	Seat
13	Nut
14	Stud bolt

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 5	25-32 L3S	1-2991038
	1 to 5 and 13 ,14	40-50 L3S	1-2991046
Trim set	Pos.	Valve	Item No.
components pos.	1 to 14	25-32 L3S	1-2991039
	1 to 14	40-50 L3S	1-2991047

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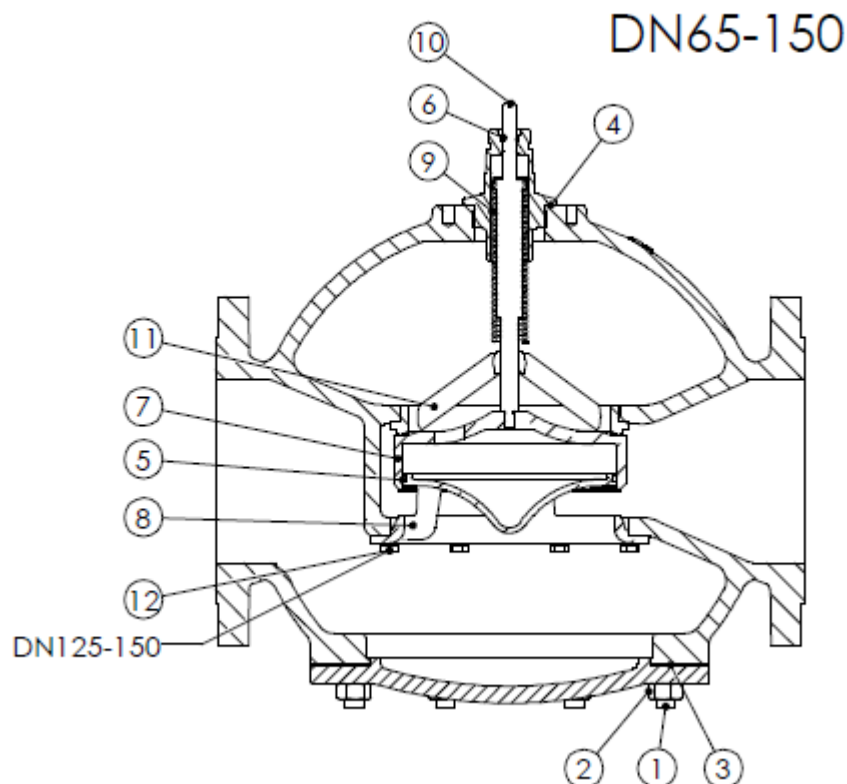
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CONTROLS

L3F SPARE PARTS

3-way Control Valves

Gun Metal, PN 10, DN 65-150 mm

S-2.2.08-A



Pos.	Component
------	-----------

1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	Cone
8	Lower seat
9	Spring
10	Spindle
11	Upper seat
12	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 6	65 L3F	1-2991130
	1 to 6	80 L3F	1-2991132
	1 to 6	100 L3F	1-2991134
	1 to 6	125 L3F	1-2991136
	1 to 6	150 L3F	1-2991138
Trim set	Pos.	Valve	Item No.
components pos.	1 to 10	65 L3F	1-2990237
	1 to 11	80 L3F	1-2990784
	1 to 11	100 L3F	1-2990308
	1 to 12	125 L3F	1-2990318
	1 to 12	150 L3F	1-2990320

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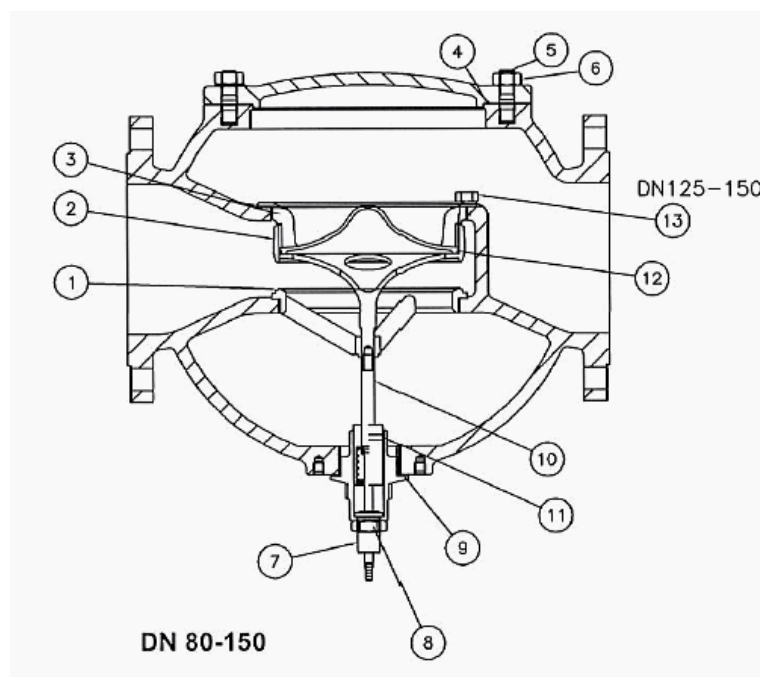
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CONTROLS

L3FM SPARE PARTS

S-2.2.09-A

2-way Control Valves

Gun metal, PN 10, DN 80-200 mm / PN 6, DN 300/250-300 mm



Pos.	Component
------	-----------

1	Upper seat
2	Cone
3	Lower seat
4	Gasket
5	Stud bolt
6	Nut
7	Packbox
8	Nut
9	Gasket
10	Spindle
11	Pin
12	Gasket
13	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	4 to 7;9;12	80 L3FM	1-2991471
	4 to 7;9;12	100 L3FM	1-2991473
	4 to 7;9;12	125 L3FM	1-2991475
	4 to 7;9;12	150 L3FM	1-2991477
	4 to 7;9;12	200 L3FM	1-2991500

Trim set	Pos.	Valve	Item No.
components pos.	1 to 12	80 L3FM	1-2991472
	1 to 12	100 L3FM	1-2991474
	1 to 13	125 L3FM	1-2991476
	1 to 13	150 L3FM	1-2991478
	1 to 17	200 L3FM	1-2991616

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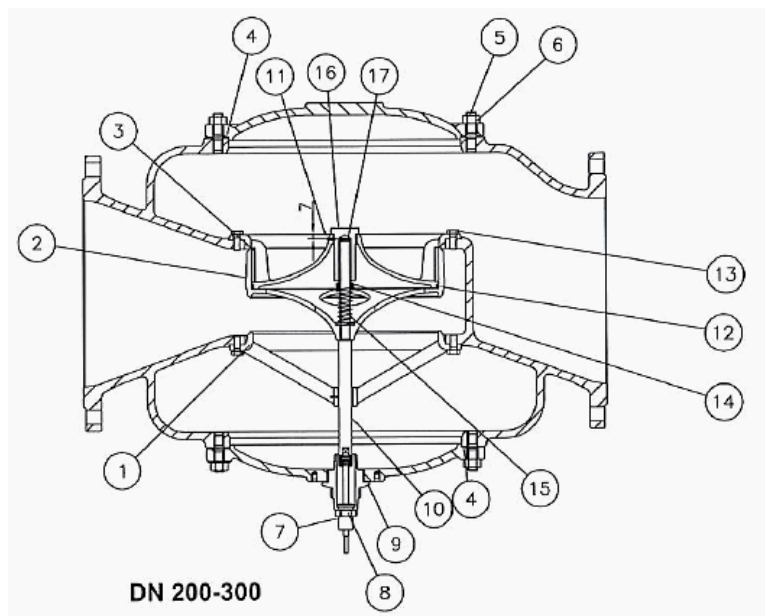
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CONTROLS

L3FM SPARE PARTS

S-2.2.09-A

2-way Control Valves

Gun metal, PN 10, DN 80-200 mm / PN 6, DN 300/250-300 mm



Pos.	Component
------	-----------

- | | |
|----|------------------|
| 1 | Upper seat |
| 2 | Cone |
| 3 | Lower seat |
| 4 | Gasket |
| 5 | Stud bolt |
| 6 | Nut |
| 7 | Packbox |
| 8 | Nut |
| 9 | Gasket |
| 10 | Spindle |
| 11 | Pin |
| 12 | Gasket |
| 13 | Screw |
| 14 | Guide bushing |
| 15 | Spring |
| 16 | Screw connection |
| 17 | Sprong washer |

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	4 to 7;9;12	250 L3FM	1-2991501
	4 to 7;9;12	300 L3FM	1-2991502
Trim set	Pos.	Valve	Item No.
components pos.	1 to 17	250 L3FM	1-2991617
	1 to 17	300 L3FM	1-2991618

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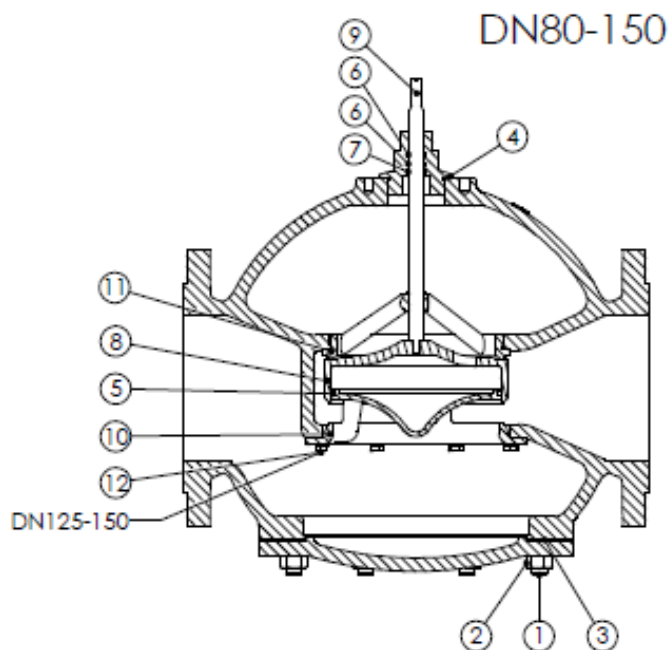
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L3FA SPARE PARTS

3-way Control Valves

Gun metal, PN 10, DN 80-200 mm / PN 6, DN 300/250 - 300 mm

S-2.2.09.01-A



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-ring
8	Cone
9	Spindle
10	Lower seat
11	Upper seat

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	80 L3FA	1-2992720
	1 to 7	100 L3FA	1-2992722
	1 to 7	125 L3FA	1-2992724
	1 to 7	150 L3FA	1-2992726
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	80 L3FA	1-2992721
	1 to 11	100 L3FA	1-2992723
	1 to 12	125 L3FA	1-2992725
	1 to 12	150 L3FA	1-2992727

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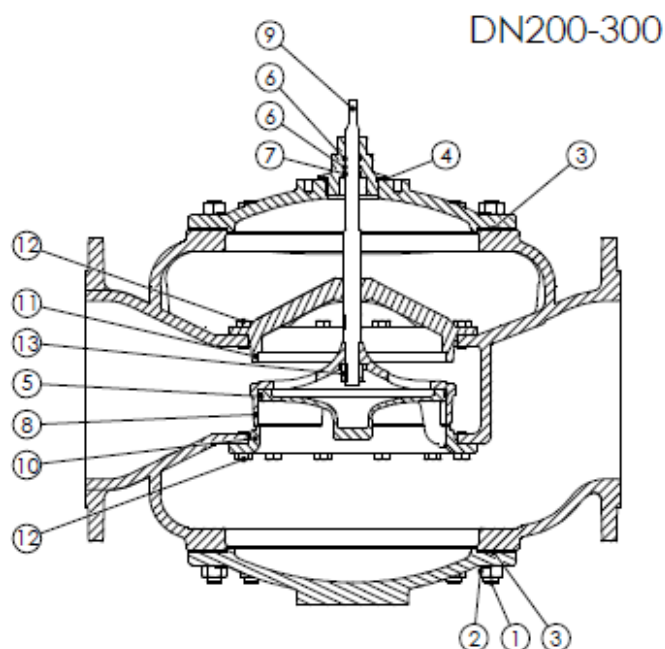
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L3FA SPARE PARTS

3-way Control Valves

Gun metal, PN 10, DN 80-200 mm / PN 6, DN 300/250 - 300 mm

S-2.2.09.01-A



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-Ring
8	Cone
9	Spindle
10	Lower seat
11	Upper seat
12	Screw
13	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	200/175 L3FA	1-2992728
	1 to 7	200 L3FA	1-2992730
	1 to 7	250/300 L3FA	1-2992732
	1 to 7	300 L3FA	1-2992734

Trim set	Pos.	Valve	Item No.
components pos.	1 to 13	200/175 L3FA	1-2992729
	1 to 13	200 L3FA	1-2992731
	1 to 13	250/300 L3FA	1-2992733
	1 to 13	300 L3FA	1-2992735

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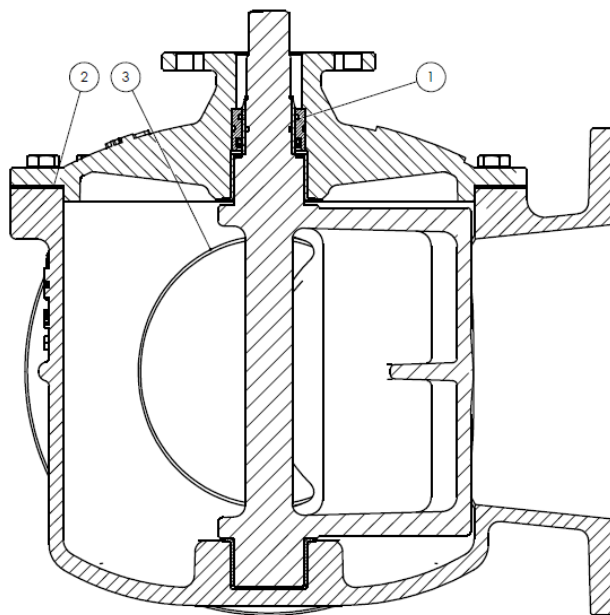
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L3FM-T SPARE PARTS

3-way Control Valves

Gun metal, PN 10, DN 100-300 mm / PN 6, DN 350-500 mm

S-2.2.10-A



Pos.	Component
1	O-ring for bushing
2	Gasket
3	O-ring for slide

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 3	100 L3FM -TL	1-2991510
	1 to 3	125 L3FM -TL	1-2991511
	1 to 3	150 L3FM -TL	1-2991512
	1 to 3	200 L3FM -TL	1-2991513
	1 to 3	250 L3FM -TL	1-2991514
	1 to 3	300 L3FM -TL	1-2991515
	1 to 3	350 L3FM -TL	1-2991516
	1 to 3	400 L3FM -TL	1-2991517
	1 to 3	450 L3FM -TL	1-2991518
	1 to 3	500 L3FM -TL	1-2991519

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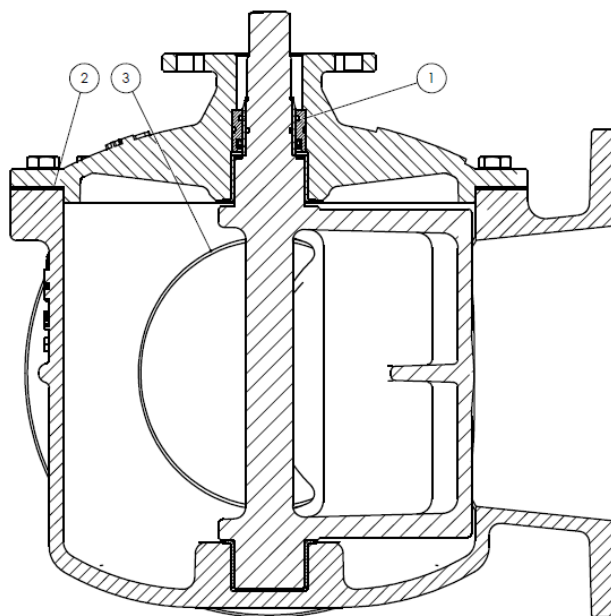
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CONTROLS

L3FM-T SPARE PARTS

3-way Control Valves

Gun metal, PN 10, DN 100-300 mm / PN 6, DN 350-500 mm

S-2.2.10-A



Pos.	Component
1	O-ring for bushing
2	Gasket
3	O-ring for slide

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 3	100 L3FM -TR	1-2991510
	1 to 3	125 L3FM -TR	1-2991511
	1 to 3	150 L3FM -TR	1-2991512
	1 to 3	200 L3FM -TR	1-2991513
	1 to 3	250 L3FM -TR	1-2991514
	1 to 3	300 L3FM -TR	1-2991515
	1 to 3	350 L3FM -TR	1-2991516
	1 to 3	400 L3FM -TR	1-2991517
	1 to 3	450 L3FM -TR	1-2991518
	1 to 3	500 L3FM -TR	1-2991519

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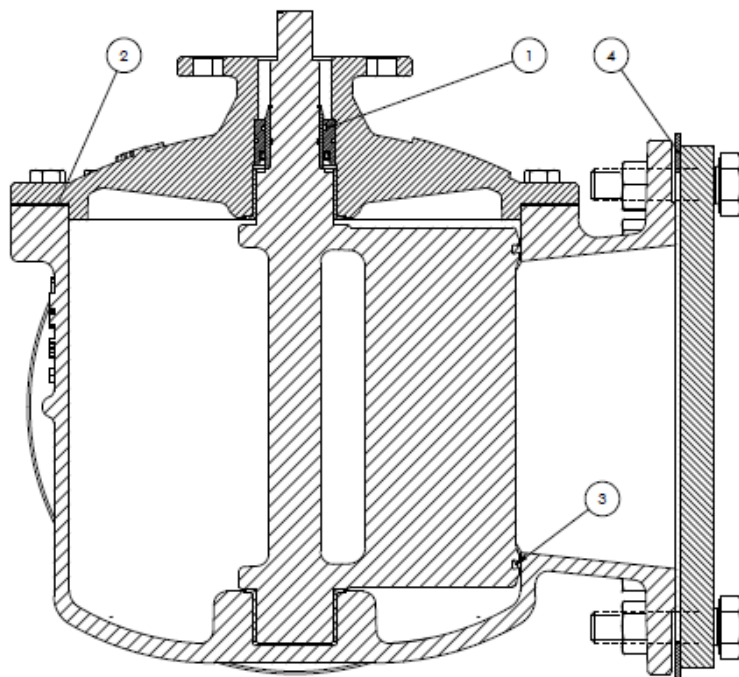
Clorius
CONTROLS

L2FM-T SPARE PARTS

2-way Control Valves

Gun metal, PN 16, DN 100-300 mm / PN 10, DN 350-500 mm

S-2.2.11-A



Pos.	Component
------	-----------

- | | |
|---|--------------------|
| 1 | O-ring for bushing |
| 2 | Gasket |
| 3 | O-ring for slide |
| 4 | Gasket |

Order Information:

Packing set	Pos.	Valve	Item No.
components	1 to 4	100 L2FM -T	1-2991540
pos.	1 to 4	125 L2FM -T	1-2991541
	1 to 4	150 L2FM -T	1-2991542
	1 to 4	200 L2FM -T	1-2991543
	1 to 4	250 L2FM -T	1-2991544
	1 to 4	300 L2FM -T	1-2991545
	1 to 4	350 L2FM -T	1-2991546
	1 to 4	400 L2FM -T	1-2991547
	1 to 4	450 L2FM -T	1-2991548
	1 to 4	500 L2FM -T	1-2991549

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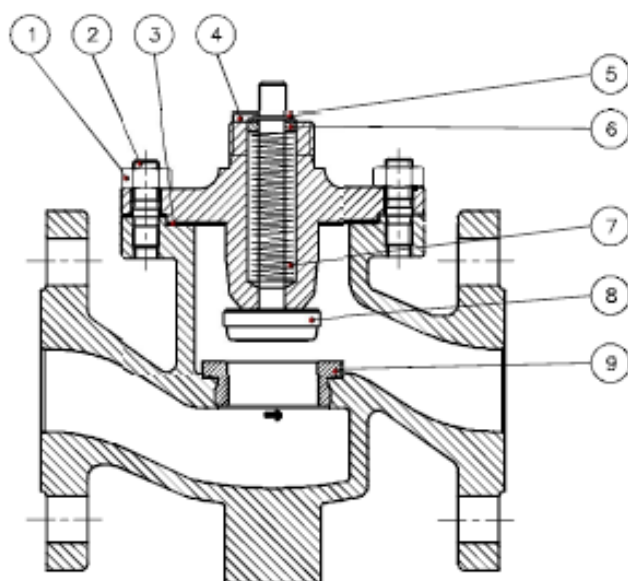
Clorius
CONTROLS

M1F SPARE PARTS

2-way Control Valves

Cast iron, PN 16, DN 15/4-50 mm

S-2.3.02-A



DN15-50

Pos.	Component
------	-----------

1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	Spring
6	Disc
7	Locking ring
8	Seat
9	Cone

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 4	15/4-15 M1F	1-2991209	components pos.	1 to 9	15/4 M1F	1-2991271
	1 to 4	20/9-20 M1F	1-2991217		1 to 9	15/6 M1F	1-2991273
	1 to 4	25/20-25 M1F	1-2991225		1 to 9	15/9 M1F	1-2991275
	1 to 4	32/25-32 M1F	1-2991233		1 to 9	15/12 M1F	1-2991278
	1 to 4	40/32-40 M1F	1-2991241		1 to 9	15 M1F	1-2991281
	1 to 4	50/40-50 M1F	1-2991263		1 to 9	20/9 M1F	1-2991284
					1 to 9	20 M1F	1-2991290
					1 to 9	25 M1F	1-2991299
					1 to 9	32 M1F	1-2991311
					1 to 9	40 M1F	1-2991322
					1 to 9	50 M1F	1-2991339

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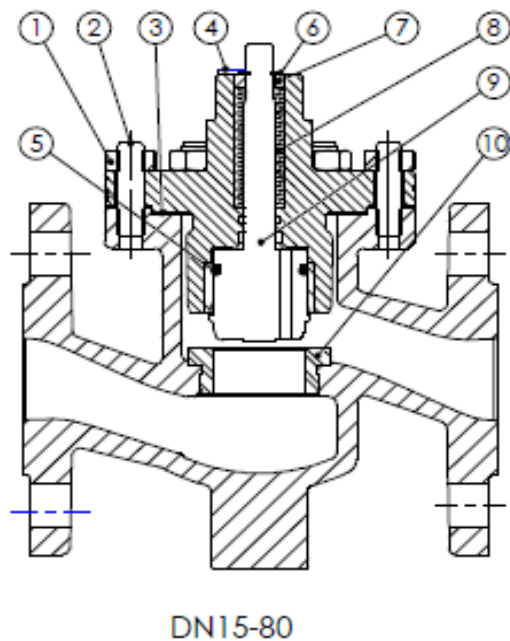
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CONTROLS

M1FBN SPARE PARTS

Balanced 2-way Control Valves
Cast iron, PN 16, DN 15-80 mm

S-2.3.03.01-A



Pos.	Component
1	Nut
2	Stud bolt
3	Gasket
4	Gasket
5	O-ring
6	Locking ring
7	Disc
8	Spring
9	Cone
10	Lower seat

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 5	15 M1FBN	1-2992335	components pos.	1 to 10	15 M1FBN	1-2992345
	1 to 5	20 M1FBN	1-2992336		1 to 10	20 M1FBN	1-2992346
	1 to 5	25 M1FBN	1-2992337		1 to 10	25 M1FBN	1-2992347
	1 to 5	32 M1FBN	1-2992338		1 to 10	32 M1FBN	1-2992348
	1 to 5	40 M1FBN	1-2992339		1 to 10	40 M1FBN	1-2992349
	1 to 5	50 M1FBN	1-2992340		1 to 10	50 M1FBN	1-2992350
	1 to 5	65 M1FBN	1-2992341		1 to 10	65 M1FBN	1-2992351
	1 to 5	80 M1FBN	1-2992342		1 to 10	80 M1FBN	1-2992352

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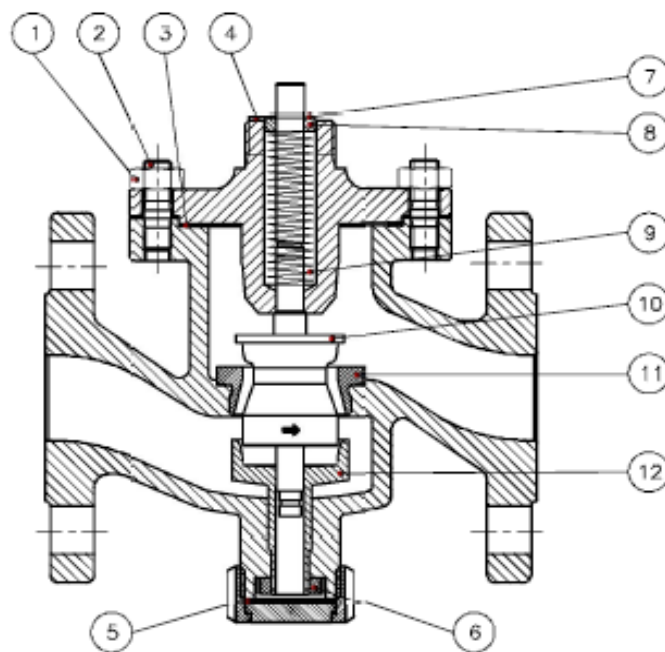
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CONTROLS

M2F SPARE PARTS

2-way Control Valves

Cast iron, PN 16, DN 20-80 mm, 2 seats, Flanged ends

S-2.3.04-A



DN20-80

Pos.	Component
------	-----------

1	Nut
2	Stud bolt
3	Gasket
4	Gasket
5	Gasket
6	Nut
7	Locking ring
8	Disc
9	Spring
10	Cone
11	Seat
12	Lower seat

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 5	20 M2F	1-2991345	components pos.	1 to 12	20 M2F	1-2991373
	1 to 5	25 M2F	1-2991349		1 to 12	25 M2F	1-2991375
	1 to 5	32 M2F	1-2991352		1 to 12	32 M2F	1-2991379
	1 to 5	40 M2F	1-2991355		1 to 12	40 M2F	1-2991381
	1 to 5	50 M2F	1-2991360		1 to 12	50 M2F	1-2991385
	1 to 5	65 M2F	1-2991363		1 to 12	65 M2F	1-2991389
	1 to 5	80 M2F	1-2991367		1 to 12	80 M2F	1-2991392

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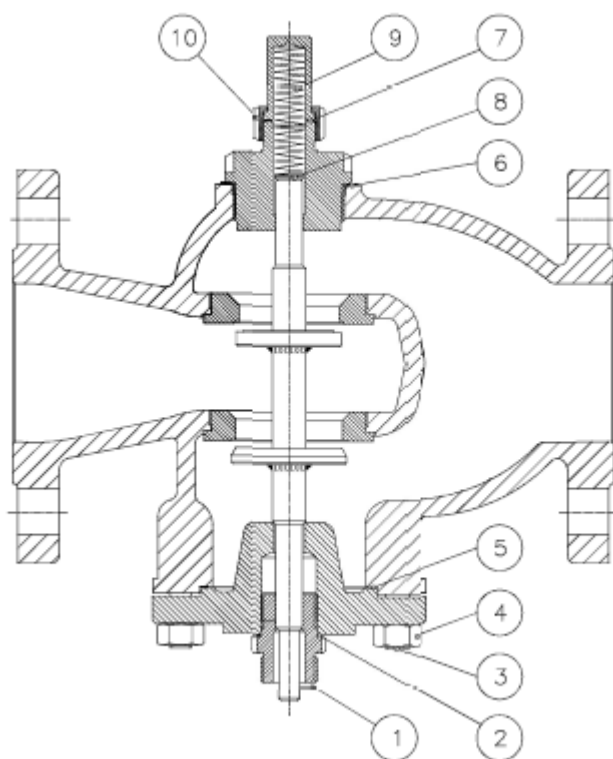
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CONTROLS

M2F SPARE PARTS

2-way Control Valves

Cast iron, PN 16, DN 100-150 mm

S-2.3.05-A



DN100 and 150

Pos.	Component
1	Gasket
2	Gasket
3	Stud bolt
4	Nut
5	Gasket
6	Gasket
7	Gasket
8	Disc
9	Spring
10	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	100 M2F	1-2992359
	1 to 7	150 M2F	1-2991066
Trim set	Pos.	Valve	Item No.
components pos.	1 to 10	100 M2F	1-2992360
	1 to 10	150 M2F	1-2991065

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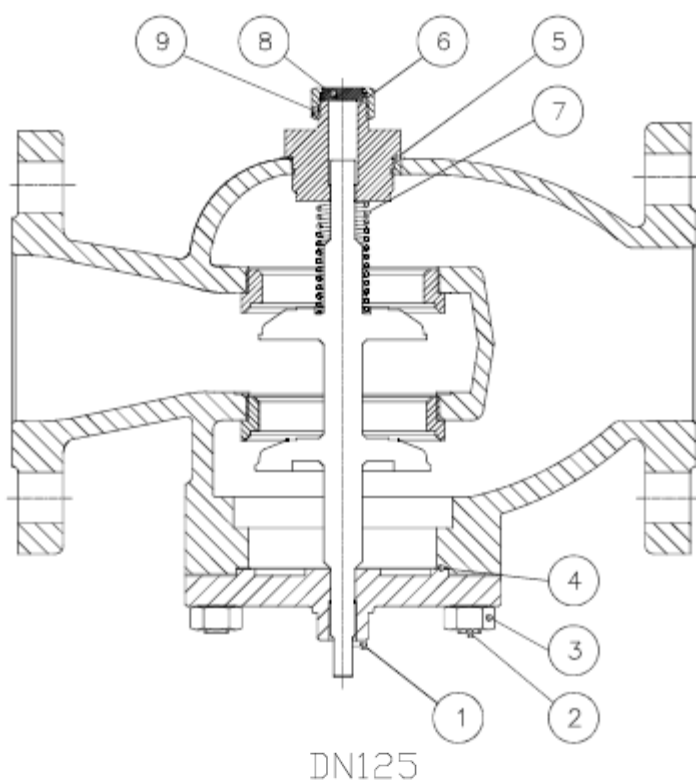
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M2F SPARE PARTS

2-way Control Valves

Cast iron, PN 16, DN 100-150 mm

S-2.3.05-A



Pos.	Component
1	Gasket
2	Stud bolt
3	Nut
4	Gasket
5	Gasket
6	Gasket
7	Spring
8	Disc
9	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 6	125 M2F	1-2992361

Trim set	Pos.	Valve	Item No.
components pos.	1 to 9	125 M2F	1-2992362

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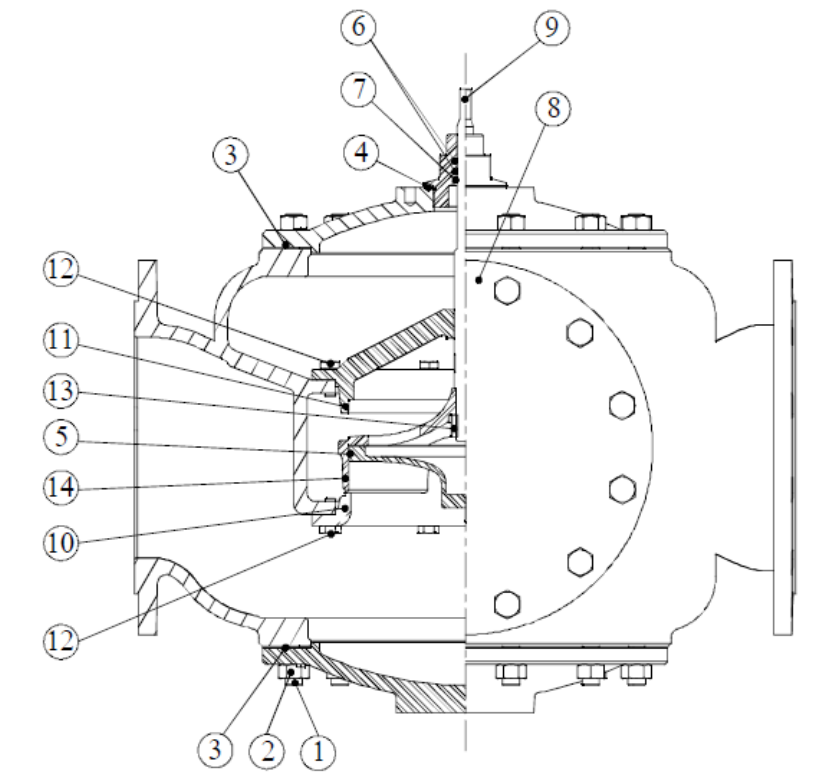
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CONTROLS

M2FA SPARE PARTS

2-way Control Valves

Cast iron, PN 10, DN 200 mm / PN 6, DN 250-300 mm

S-2.3.05.01-A



Pos.	Component
------	-----------

1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-Ring
8	Gasket
9	Spindle
10	Lower seat
11	Upper seat
12	Screw
13	Nut
14	Cone

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 8	200 M2FA	1-2992750
	1 to 8	250 M2FA	1-2992752
	1 to 8	300 M2FA	1-2992754
Trim set	Pos.	Valve	Item No.
components pos.	1 to 14	200 M2FA	1-2992751
	1 to 14	250 M2FA	1-2992753
	1 to 14	300 M2FA	1-2992755

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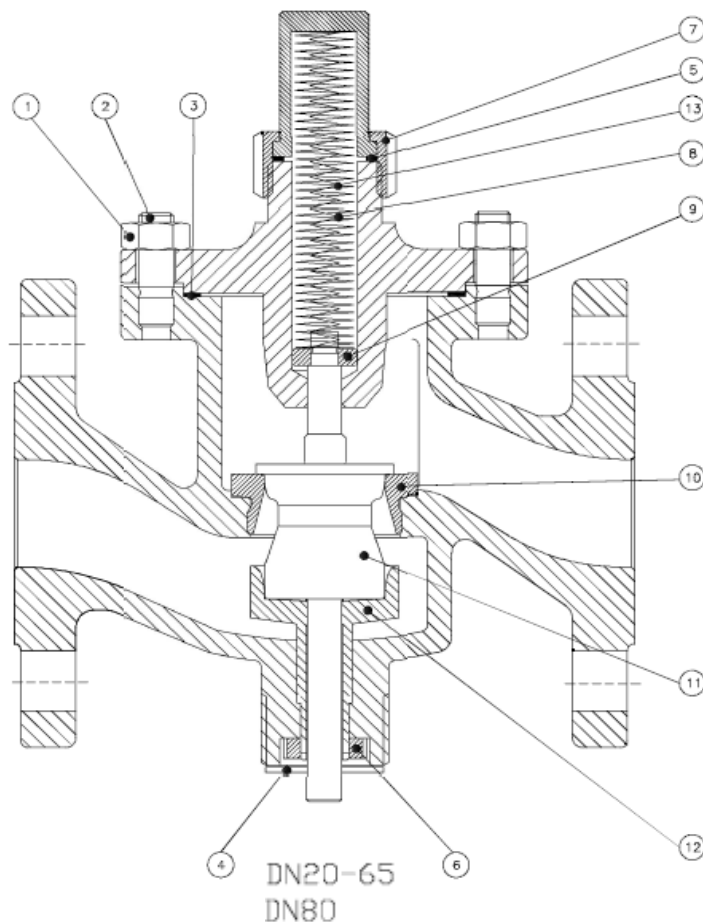
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CONTROLS

M2FR SPARE PARTS

2-way Control Valves

Cast iron, PN 16, DN 20-80 mm, 2 seats, Reverse acting

S-2.3.06-A



Pos.	Component
1	Nut
2	Stud bolt
3	Gasket
4	Gasket
5	Gasket
6	Nut
7	Nut
8	Spring
9	Disc
10	Cone
11	Seat
12	Lower seat
13	Spring

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 5	20 M2FR	1-2991345	components pos.	1 to 12	20 M2FR	1-2990806
	1 to 5	25 M2FR	1-2991349		1 to 12	25 M2FR	1-2990808
	1 to 5	32 M2FR	1-2991352		1 to 12	32 M2FR	1-2990810
	1 to 5	40 M2FR	1-2991355		1 to 12	40 M2FR	1-2990938
	1 to 5	50 M2FR	1-2991360		1 to 12	50 M2FR	1-2990911
	1 to 5	65 M2FR	1-2991363		1 to 13	65 M2FR	1-2991427
	1 to 5	80 M2FR	1-2991367		1 to 13	80 M2FR	1-2991429

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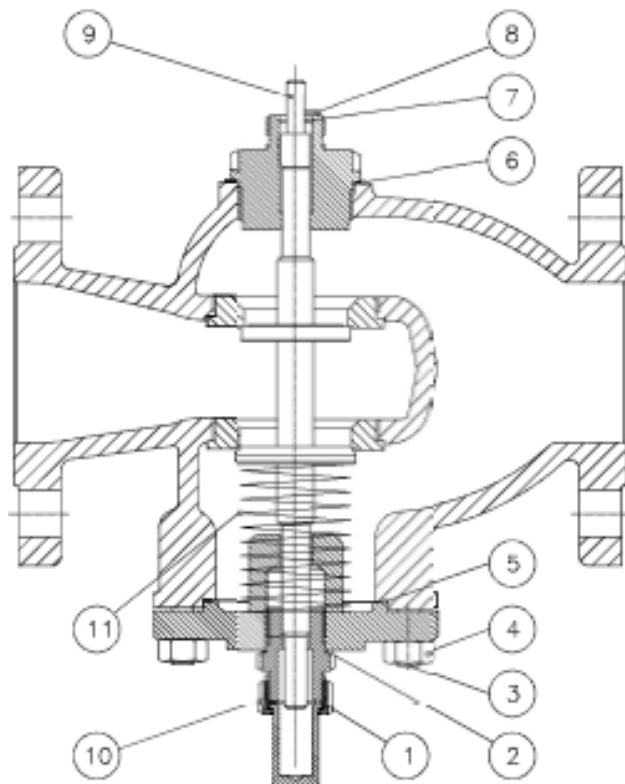
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CONTROLS

M2FR SPARE PARTS

2-way Control Valves

Cast iron, PN 16, DN 100-150 mm, Reverse acting

S-2.3.07-A



DN100 and 150

Pos.	Component
------	-----------

1	Gasket
2	Gasket
3	Stud bolt
4	Nut
5	Gasket
6	Gasket
7	Locking ring
8	Gasket
9	Cone Shaft
10	Nut
11	Spring

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 8	100 M2FR	1-2991901
	1 to 8	150 M2FR	1-2991905
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	100 M2FR	1-2991902
	1 to 11	150 M2FR	1-2991906

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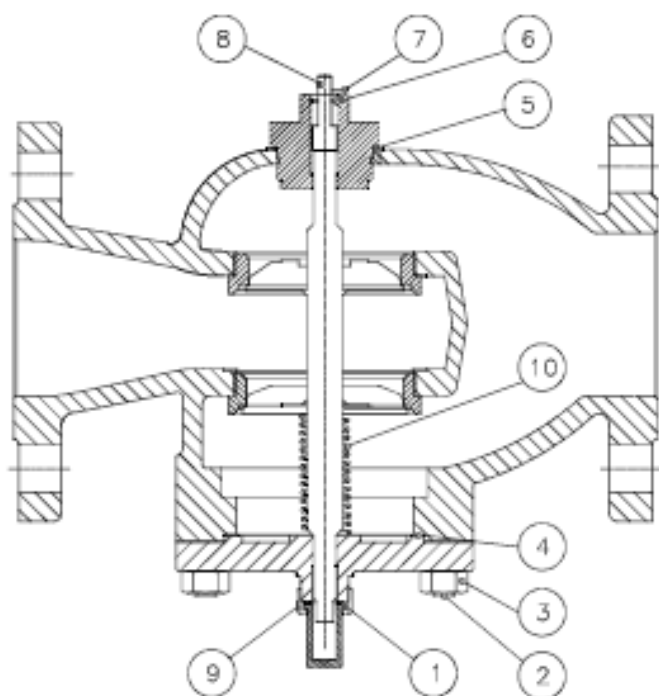
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CONTROLS

M2FR SPARE PARTS

2-way Control Valves

Cast iron, PN 16, DN 100-150 mm, Reverse acting

S-2.3.07-A



DN125

Pos.	Component
------	-----------

1	Gasket
2	Stud bolt
3	Nut
4	Gasket
5	Gasket
6	Locking ring
7	Gasket
8	Cone shaft
9	Nut
10	Spring

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	125 M2FR	1-2991903
Trim set	Pos.	Valve	Item No.
components pos.	1 to 10	125 M2FR	1-2991904

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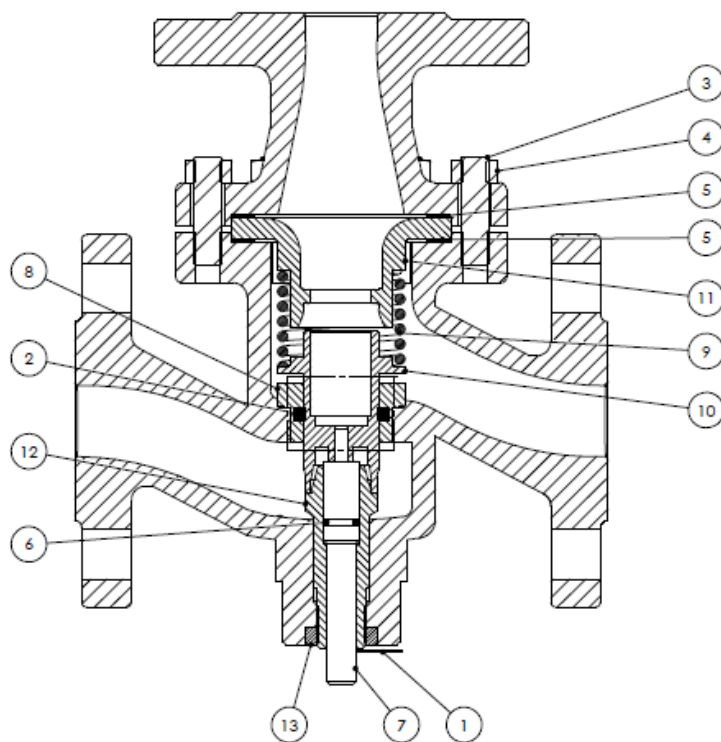
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CONTROLS

M3F SPARE PARTS

3-way Control Valves

Cast iron, PN 16, DN 20-65 mm, Flanged ends

S-2.3.08-A



DN20 - 65

Pos.	Component
1	Gasket
2	O-ring
3	Stud bolt
4	Nut
5	Gasket
6	O-ring
7	Spindel
8	Seat seal
9	Spring
10	Cone
11	Seat
12	Lower seat
13	Locknut

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 6	20 M3F	1-2990731	components pos.	1 to 13	20 M3F	1-2990766
	1 to 6	25 M3F	1-2990732		1 to 13	25 M3F	1-2990767
	1 to 6	32 M3F	1-2990733		1 to 13	32 M3F	1-2990768
	1 to 6	40 M3F	1-2990734		1 to 13	40 M3F	1-2990769
	1 to 6	50 M3F	1-2990735		1 to 13	50 M3F	1-2990770
	1 to 6	65 M3F	1-2990736		1 to 13	65 M3F	1-2990771

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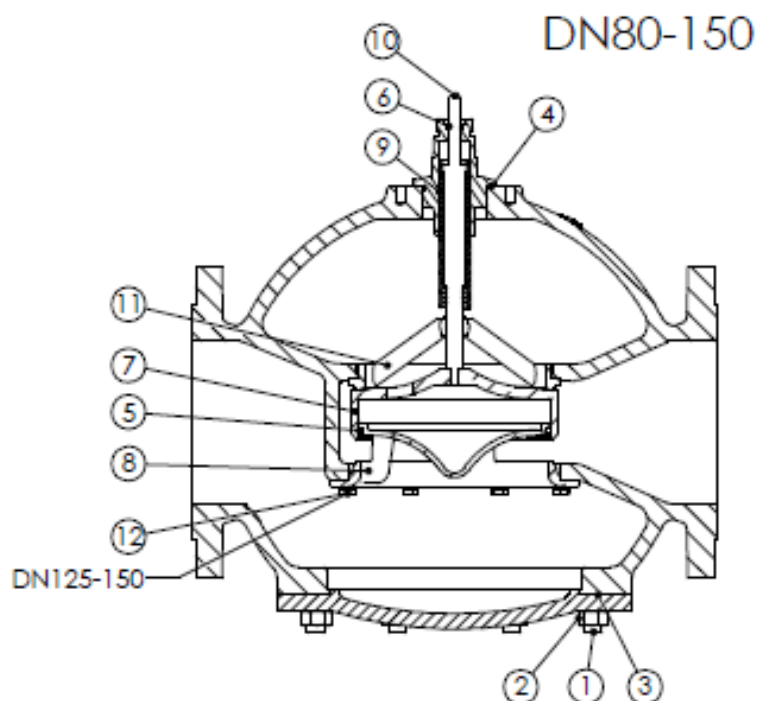
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CONTROLS

M3F SPARE PARTS

3-way Control Valves

Cast iron, PN 10, DN 80-150 mm

S-2.3.09-A



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	Cone
8	Lower seat
9	Spring
10	Spindle
11	Upper seat
12	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 6	80 M3F	1-2991620
	1 to 6	100 M3F	1-2991623
	1 to 6	125 M3F	1-2991627
	1 to 6	150 M3F	1-2991632
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	80 M3F	1-2991640
	1 to 11	100 M3F	1-2991643
	1 to 12	125 M3F	1-2991645
	1 to 12	150 M3F	1-2991649

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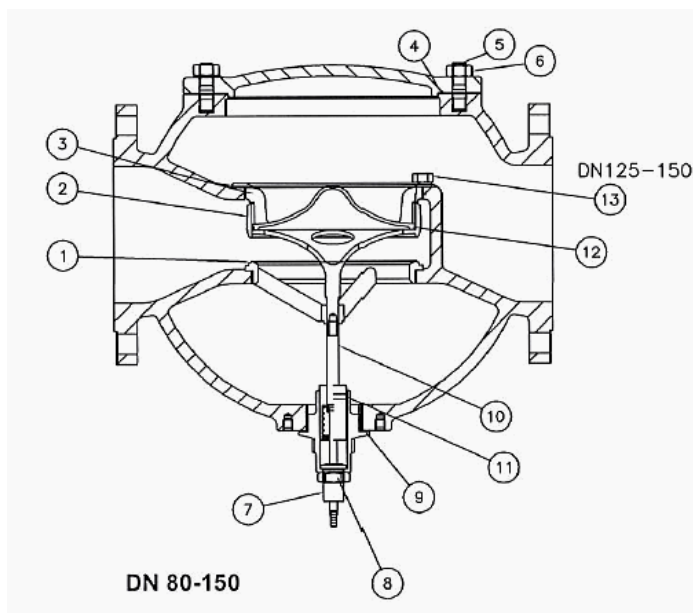
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CONTROLS

M3FM SPARE PARTS

S-2.3.10-A

3-way Control Valves

Cast iron, PN 10, DN 80-300 mm, except DN 200/175 and 200 mm – PN 16



Pos.	Component
1	Upper seat
2	Cone
3	Lower seat
4	Gasket
5	Stud bolt
6	Nut
7	Packbox
8	Nut
9	Gasket
10	Spindle
11	Pin
12	Gasket
13	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	4 to 7;9;12	80 M3FM	1-2991482
	4 to 7;9;12	100 M3FM	1-2991485
	4 to 7;9;12	125 M3FM	1-2991487
	4 to 7;9;12	150 M3FM	1-2991492
	4 to 7;9;12	200/175 M3FM	1-2991495
	4 to 7;9;12	200 M3FM	1-2991495

Trim set	Pos.	Valve	Item No.
components pos.	1 to 12	80 M3FM	1-2991505
	1 to 12	100 M3FM	1-2991508
	1 to 13	125 M3FM	1-2991602
	1 to 13	150 M3FM	1-2991607
	1 to 17	200/175 M3FM	1-2991609
	1 to 17	200 M3FM	1-2991610

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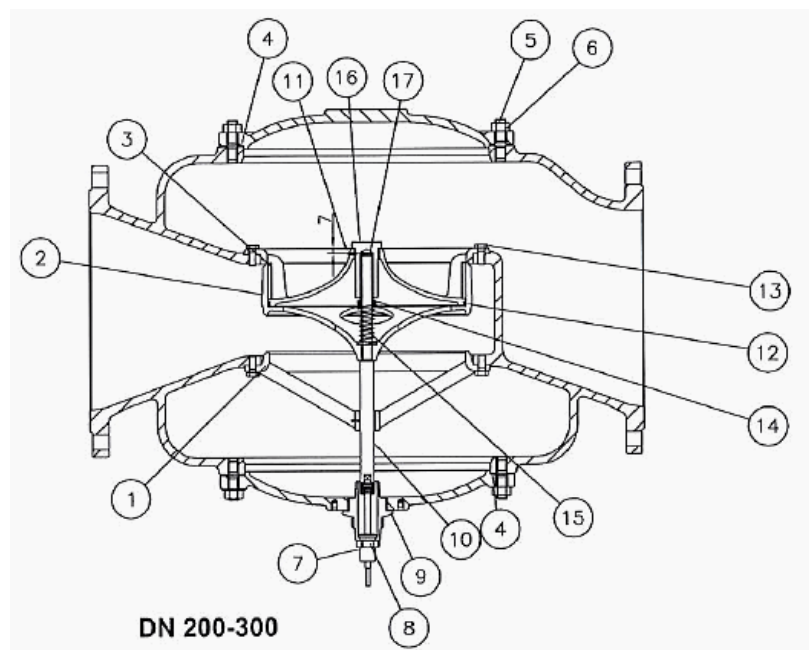
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CONTROLS

M3FM SPARE PARTS

S-2.3.10-A

3-way Control Valves

Cast iron, PN 10, DN 80-300 mm, except DN 200/175 and 200 mm – PN 16



Pos.	Component
1	Upper seat
2	Cone
3	Lower seat
4	Gasket
5	Stud bolt
6	Nut
7	Packbox
8	Nut
9	Gasket
10	Spindle
11	Pin
12	Gasket
13	Screw
14	Guide bushing
15	Spring
16	Screw connection
17	Spring washer

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	4 to 7;9;12	300/250 M3FM	1-2991499
	4 to 7;9;12	300 M3FM	1-2991499
Trim set	Pos.	Valve	Item No.
components pos.	1 to 17	300/250 M3FM	1-2991612
	1 to 17	300 M3FM	1-2991615

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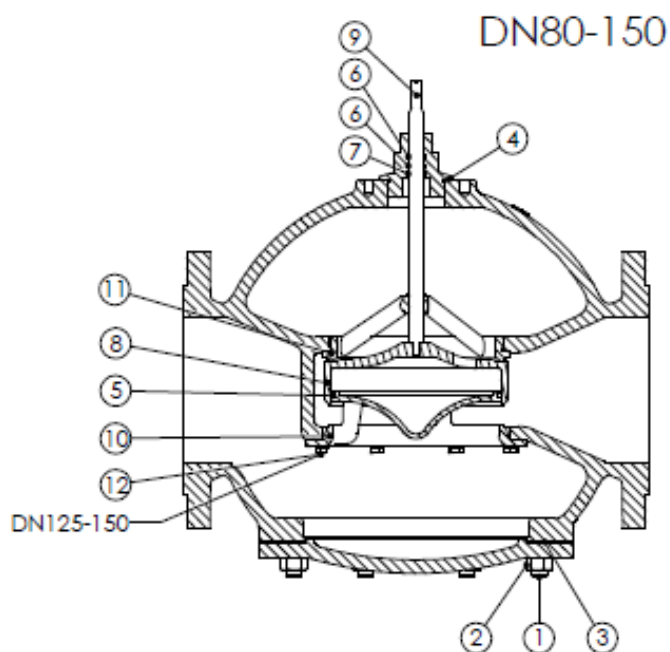
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CONTROLS

M3FA SPARE PARTS

S-2.3.10.01-A

3-way Control Valves

Cast iron, PN 10, DN 80-300 mm, except DN 200/175 and 200 mm- PN 16



Pos.	Component
------	-----------

1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-ring
8	Cone
9	Spindle
10	Lower seat
11	Upper seat
12	Screw
13	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	80 M3FA	1-2992701
	1 to 7	100 M3FA	1-2992703
	1 to 7	125 M3FA	1-2992705
	1 to 7	150 M3FA	1-2992707
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	80 M3FA	1-2992700
	1 to 11	100 M3FA	1-2992702
	1 to 12	125 M3FA	1-2992704
	1 to 12	150 M3FA	1-2992706

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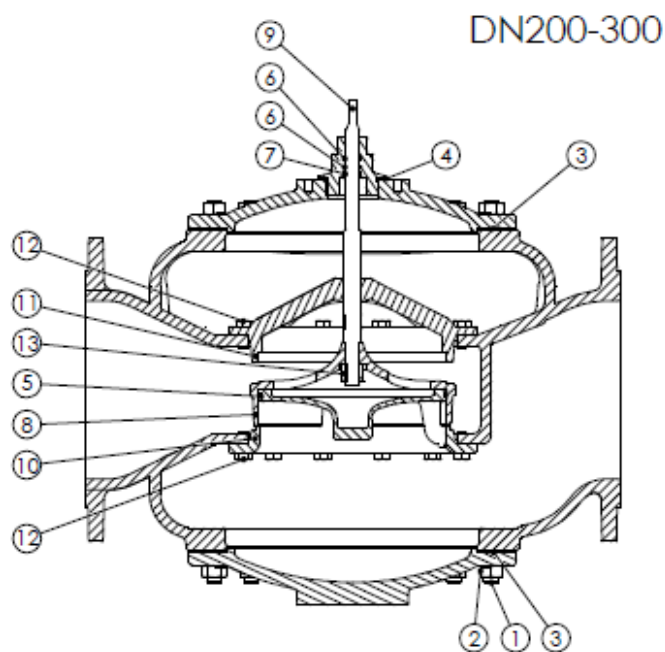
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M3FA SPARE PARTS

S-2.3.10.01-A

3-way Control Valves

Cast iron, PN 10, DN 80-300 mm, except DN 200/175 and 200 mm- PN 16



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-Ring
8	Cone
9	Spindle
10	Lower seat
11	Upper seat
12	Screw
13	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	200/175 M3FA	1-2992709
	1 to 7	200 M3FA	1-2992711
	1 to 7	250/300 M3FA	1-2992713
	1 to 7	300 M3FA	1-2992715
Trim set	Pos.	Valve	Item No.
components pos.	1 to 13	200/175 M3FA	1-2992708
	1 to 13	200 M3FA	1-2992710
	1 to 13	250/300 M3FA	1-2992712
	1 to 13	300 M3FA	1-2992714

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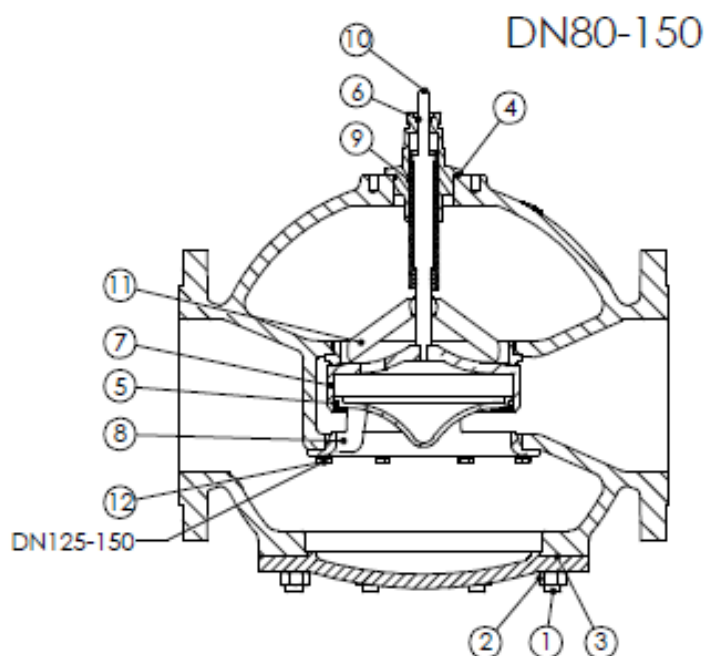
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M3F-I SPARE PARTS

3-way Control Valves

Cast iron, PN 10, DN 80 -150 mm

S-2.3.12-A



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	Cone
8	Lower seat
9	Spring
10	Spindle
11	Upper seat
12	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 6	80 M3F-I	1-2991620
	1 to 6	100 M3F-I	1-2991623
	1 to 6	125 M3F-I	1-2991627
	1 to 6	150 M3F-I	1-2991632
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	80 M3F-I	1-2991640
	1 to 11	100 M3F-I	1-2991643
	1 to 12	125 M3F-I	1-2991645
	1 to 12	150 M3F-I	1-2991649

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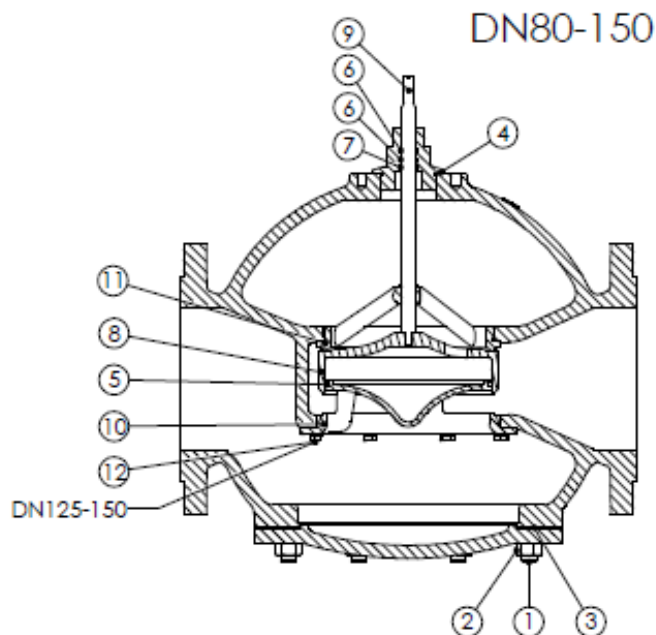
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M3FA-I(Ports A-AB interchanged) **SPARE PARTS****S-2.3.12.02-A**

3-way Control Valves

Cast iron, PN 16, DN 200/175-200 mm / PN 10, DN 300/250-300 mm



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-ring
8	Cone
9	Spindle
10	Lower seat
11	Upper seat
12	Screw
13	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	80 M3FA-I	1-2992701
	1 to 7	100 M3FA-I	1-2992703
	1 to 7	125 M3FA-I	1-2992705
	1 to 7	150 M3FA-I	1-2992707
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	80 M3FA-I	1-2992700
	1 to 11	100 M3FA-I	1-2992702
	1 to 12	125 M3FA-I	1-2992704
	1 to 12	150 M3FA-I	1-2992706

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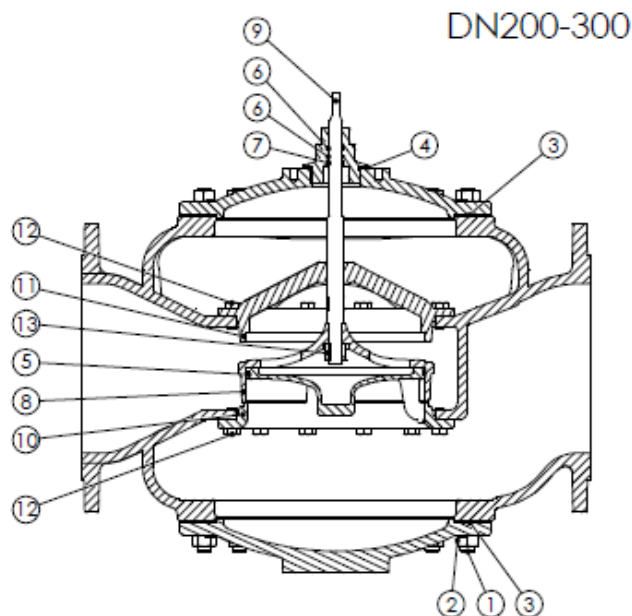
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CONTROLS

M3FA-I(Ports A-AB interchanged) **SPARE PARTS****S-2.3.12.02-A**

3-way Control Valves

Cast iron, PN 16, DN 200/175-200 mm / PN 10, DN 300/250-300 mm



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-ring
8	Cone
9	Spindle
10	Lower seat
11	Upper seat
12	Screw
13	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	200/175 M3FA-I	1-2992709
	1 to 7	200 M3FA-I	1-2992711
	1 to 7	250/300 M3FA-I	1-2992713
	1 to 7	300 M3FA-I	1-2992715
Trim set	Pos.	Valve	Item No.
components pos.	1 to 13	200/175 M3FA-I	1-2992708
	1 to 13	200 M3FA-I	1-2992710
	1 to 13	250/300 M3FA-I	1-2992712
	1 to 13	300 M3FA-I	1-2992714

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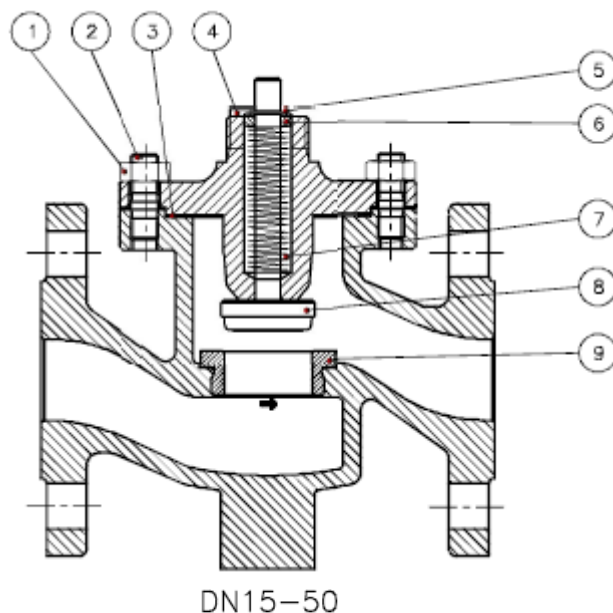
The logo for Clorius Controls, featuring the word 'Clorius' in a large, stylized script font, with the word 'CONTROLS' in a smaller, bold, sans-serif font directly underneath it.

H1F SPARE PARTS

2-way Control Valves

Cast steel, PN 40, DN 15/4-50 mm

S-2.4.02-A



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	Spring
6	Disc
7	Locking ring
8	Seat
9	Cone

Order Information:

Packing set components pos.	Pos.	Valve	Item No.	Trim set components pos.	Pos.	Valve	Item No.
	1 to 4	15/4-15 H1F	1-2991209		1 to 9	15/4 H1F	1-2991271
	1 to 4	20/9-20 H1F	1-2991217		1 to 9	15/6 H1F	1-2991273
	1 to 4	25/20-25 H1F	1-2991225		1 to 9	15/9 H1F	1-2991275
	1 to 4	32/25-32 H1F	1-2991238		1 to 9	15/12 H1F	1-2991278
	1 to 4	40/32-40 H1F	1-2991249		1 to 9	15 H1F	1-2991281
	1 to 4	50/40-50 H1F	1-2991268		1 to 9	20/9 H1F	1-2991284
					1 to 9	20 H1F	1-2991290
					1 to 9	25 H1F	1-2991299
					1 to 9	32H1F	1-2991314
					1 to 9	40 H1F	1-2991330
					1 to 9	50 H1F	1-2991341

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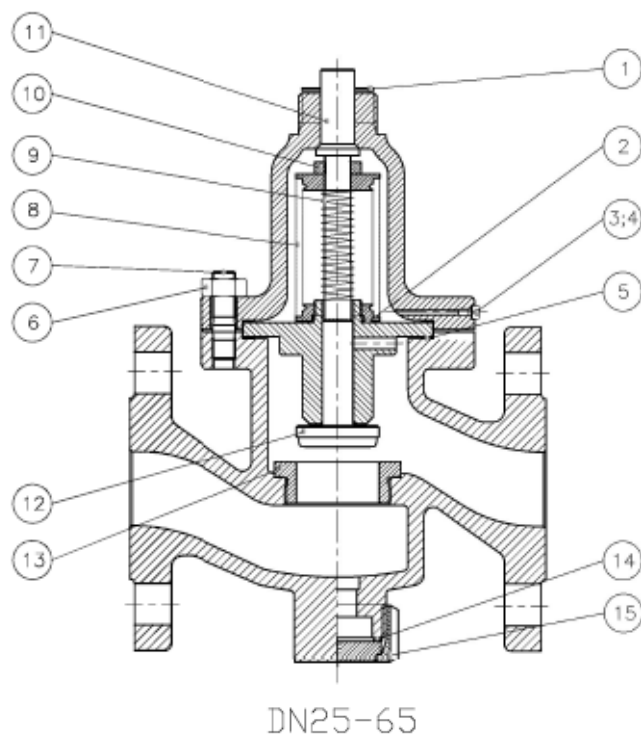
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H1FB SPARE PARTS

Balanced 2-way Control Valves
Cast steel, PN 40, DN 25-80 mm

S-2.4.03-A



Pos.	Component
1	Gasket
2	Gasket
3	Washer
4	Nut
5	Gasket
6	Nut
7	Stud bolt
8	Bellow
9	Spring
10	Nut
11	Press button
12	Cone
13	Seat
14	Gasket
15	Screw cap

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	25 H1FB	1-2992310
	1 to 7	32 H1FB	1-2992312
	1 to 7	40 H1FB	1-2992315
	1 to 7	50 H1FB	1-2992317
	1 to 7 ;14	65 H1FB	1-2992319
Trim set	Pos.	Valve	Item No.
components pos.	1 to 13	25 H1FB	1-2992327
	1 to 13	32 H1FB	1-2992329
	1 to 13	40 H1FB	1-2992331
	1 to 13	50 H1FB	1-2992332
	1 to 15	65 H1FB	1-2992333

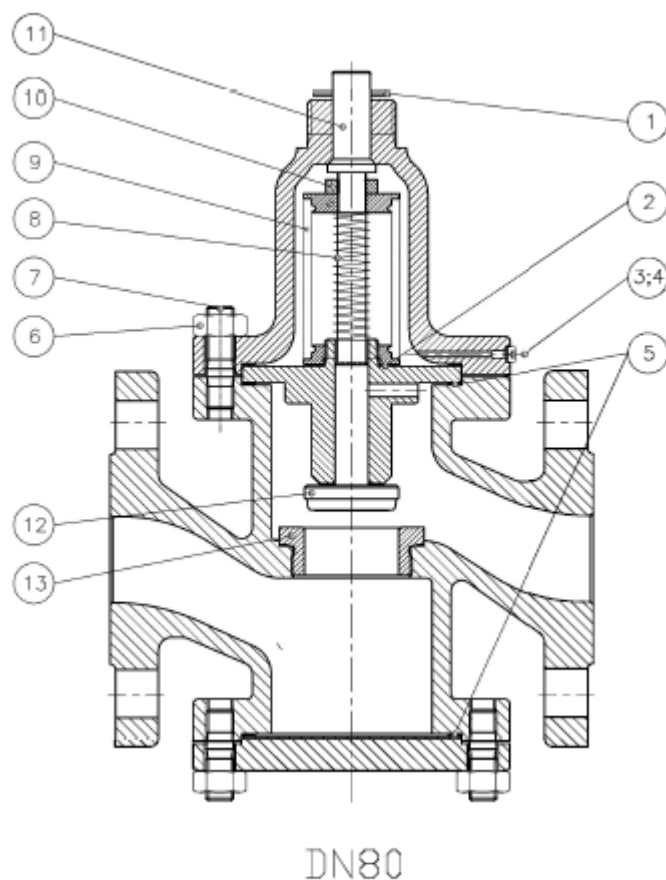
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H1FB SPARE PARTS

Balanced 2-way Control Valves
Cast steel, PN 40, DN 25-80 mm

S-2.4.03-A



Pos.	Component
------	-----------

1	Gasket
2	Gasket
3	Washer
4	Nut
5	Gasket
6	Nut
7	Stud bolt
8	Bellow
9	Spring
10	Nut
11	Press button
12	Cone
13	Seat
14	Gasket
15	Screw cap

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	80 H1FB	1-2992323
Trim set	Pos.	Valve	No.
components pos.	1 to 13	80 H1FB	1-2992334

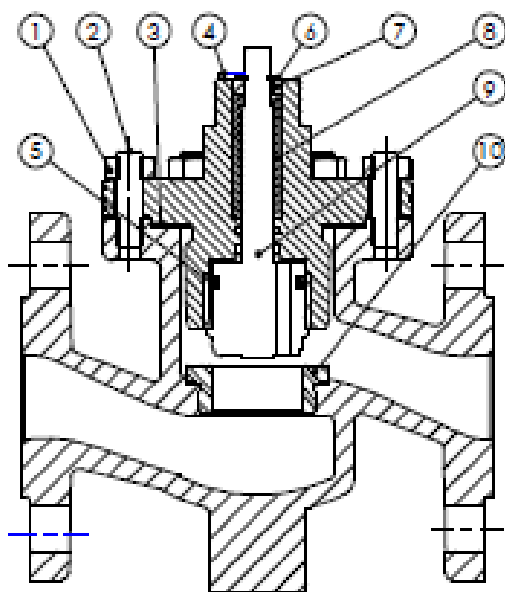
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H1FBN SPARE PARTS

Balanced 2-way Control Valves
Cast steel, PN 40, DN 15-80 mm

S-2.4.03.01-A



DN15-80

Pos.	Component
1	Nut
2	Stud bolt
3	Gasket
4	Gasket
5	O-ring
6	Locking ring
7	Disc
8	Spring
9	Cone
10	Lower seat

Order Information:

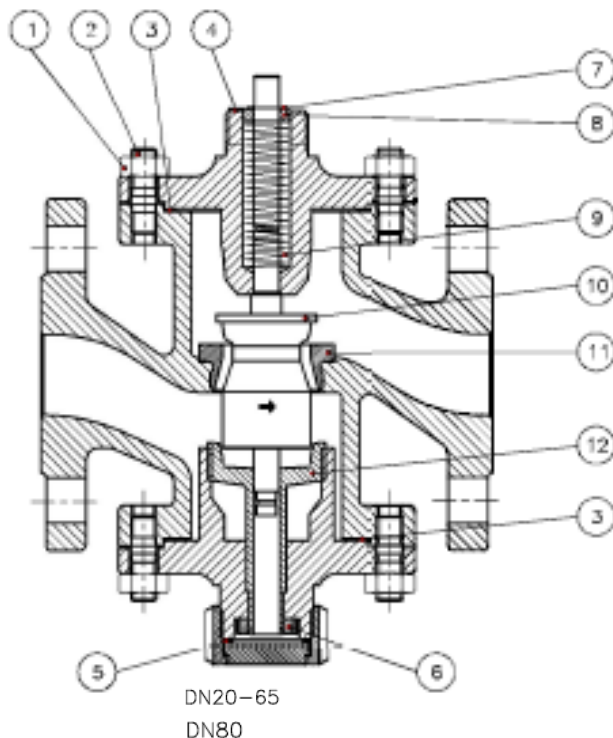
Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 5	15 H1FBN	1-2992335	components pos.	1 to 10	15 H1FBN	1-2992345
	1 to 5	20 H1FBN	1-2992336		1 to 10	20 H1FBN	1-2992346
	1 to 5	25 H1FBN	1-2992337		1 to 10	25 H1FBN	1-2992347
	1 to 5	32 H1FBN	1-2992338		1 to 10	32 H1FBN	1-2992348
	1 to 5	40 H1FBN	1-2992339		1 to 10	40 H1FBN	1-2992349
	1 to 5	50 H1FBN	1-2992340		1 to 10	50 H1FBN	1-2992350
	1 to 5	65 H1FBN	1-2992341		1 to 10	65 H1FBN	1-2992351
	1 to 5	80 H1FBN	1-2992342		1 to 10	80 H1FBN	1-2992352

H2F SPARE PARTS

2-way Control Valves

Cast steel, PN 40, DN 20-80 mm

S-2.4.05-A



Pos.	Component
------	-----------

1	Nut
2	Stud bolt
3	Gasket
4	Gasket
5	Gasket
6	Nut
7	Locking ring
8	Disc
9	Spring
10	Cone
11	Seat
12	Lower seat

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 5	20 H2F	1-2991345	components pos.	1 to 12	20 H2F	1-2991373
	1 to 5	25 H2F	1-2991349		1 to 12	25 H2F	1-2991375
	1 to 5	32 H2F	1-2991352		1 to 12	32 H2F	1-2991379
	1 to 5	40 H2F	1-2991355		1 to 12	40 H2F	1-2991381
	1 to 5	50 H2F	1-2991360		1 to 12	50 H2F	1-2991385
	1 to 5	65 H2F	1-2991363		1 to 12	65 H2F	1-2991389
	1 to 5	80 H2F	1-2991367		1 to 12	80 H2F	1-2991395

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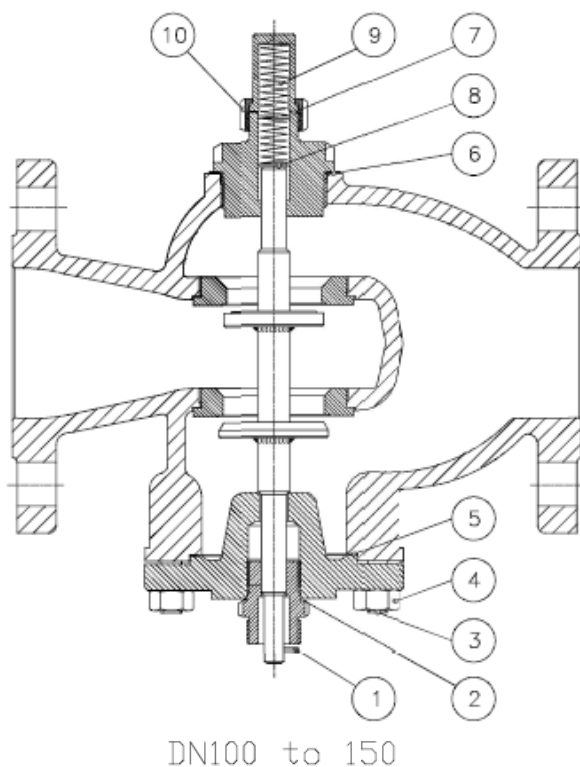
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H2F SPARE PARTS

2-way Control Valves

Cast steel, PN 25, DN 100-150 mm / PN 16, DN 150 mm

S-2.4.06-A



Pos.	Component
1	Gasket
2	Gasket
3	Stud bolt
4	Nut
5	Gasket
6	Gasket
7	Gasket
8	Disc
9	Spring
10	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	100 H2F	1-2992363
	1 to 7	125 H2F	1-2992365
	1 to 7	150 H2F	1-2992367
Trim set	Pos.	Valve	Item No.
components pos.	1 to 10	100 H2F	1-2992364
	1 to 10	125 H2F	1-2992366
	1 to 10	150 H2F	1-2992368

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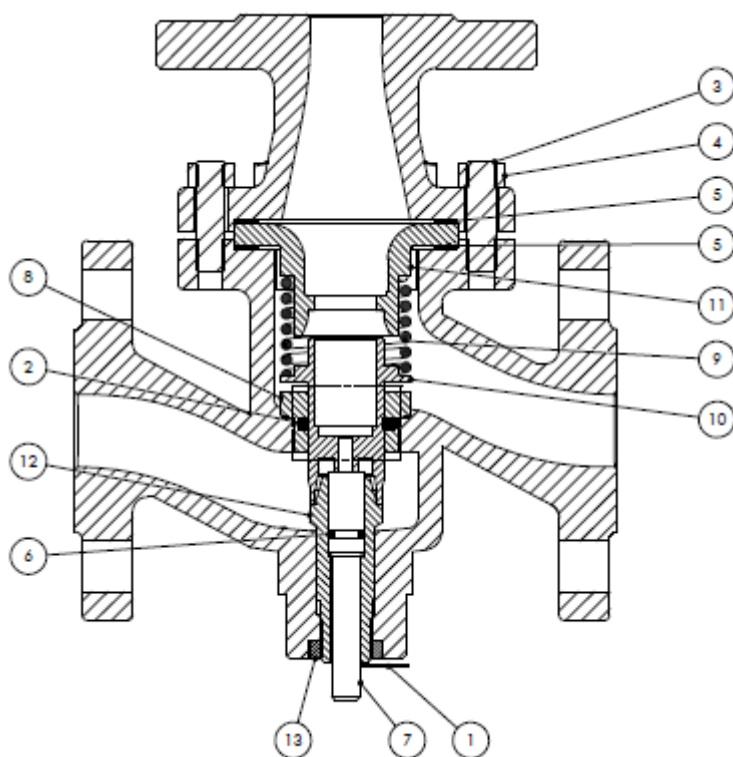
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H3F SPARE PARTS

3-way Control Valves

Cast steel, PN 40, DN 20-65 mm, Flanged ends

S-2.4.07-A



DN20 - 65

Pos.	Component
1	Gasket
2	Gasket
3	Stud bolt
4	Nut
5	Gasket
6	O-ring
7	Spindel
8	Seat seal
9	Spring
10	Cone
11	Seat
12	Lower seat
13	Locknut

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 6	20 H3F	1-2990710	components pos.	1 to 13	20 H3F	1-2990744
	1 to 5	25 H3F	1-2990712		1 to 5 ; 7 to 13	25 H3F	1-2990746
	1 to 5	32 H3F	1-2990715		1 to 5 ; 7 to 13	32 H3F	1-2990750
	1 to 5	40 H3F	1-2990717		1 to 5 ; 7 to 13	40 H3F	1-2990752
	1 to 5	50 H3F	1-2990719		1 to 5 ; 7 to 13	50 H3F	1-2990755
	1 to 5	65 H3F	1-2990721		1 to 5 ; 7 to 13	65 H3F	1-2990758

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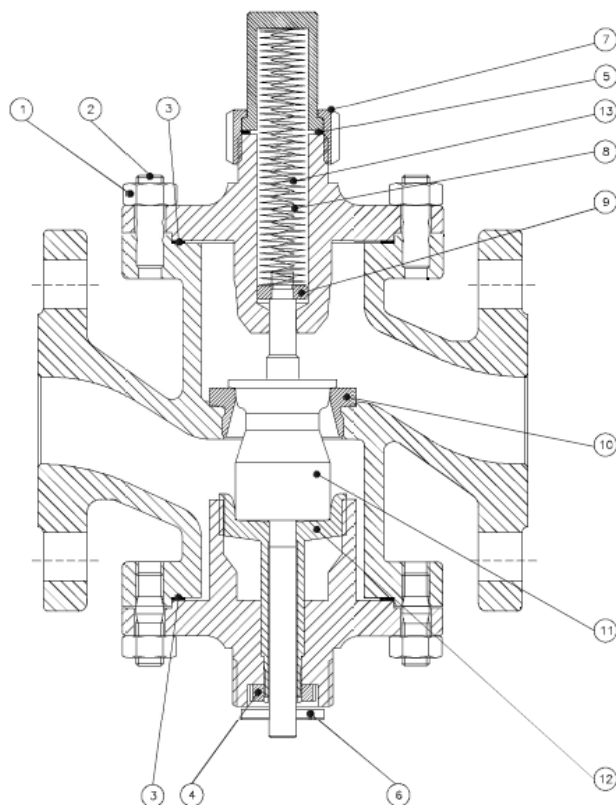
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H2FR SPARE PARTS

2-way Control Valves

Cast steel, PN 40, DN 20-80 mm, 2 Seats, Reverse acting

S-2.4.09-A



VALVE DN20-65 M-G-H2FR
VALVE DN80 M-G2FR
VALVE DN80 H2FR

Pos.	Component
1	Nut
2	Stud bolt
3	Gasket
4	Gasket
5	Gasket
6	Nut
7	Nut
8	Spring
9	Disc
10	Cone
11	Seat
12	Lower seat
13	Spring

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 5	20 H2FR	1-2991345	components pos.	1 to 12	20 H2FR	1-2990806
	1 to 5	25 H2FR	1-2991349		1 to 12	25 H2FR	1-2990808
	1 to 5	32 H2FR	1-2991352		1 to 12	32 H2FR	1-2990810
	1 to 5	40 H2FR	1-2991355		1 to 12	40 H2FR	1-2990938
	1 to 5	50 H2FR	1-2991360		1 to 12	50 H2FR	1-2990911
	1 to 5	65 H2FR	1-2991363		1 to 13	65 H2FR	1-2991427
	1 to 5	80 H2FR	1-2991367		1 to 13	80 H2FR	1-2991431

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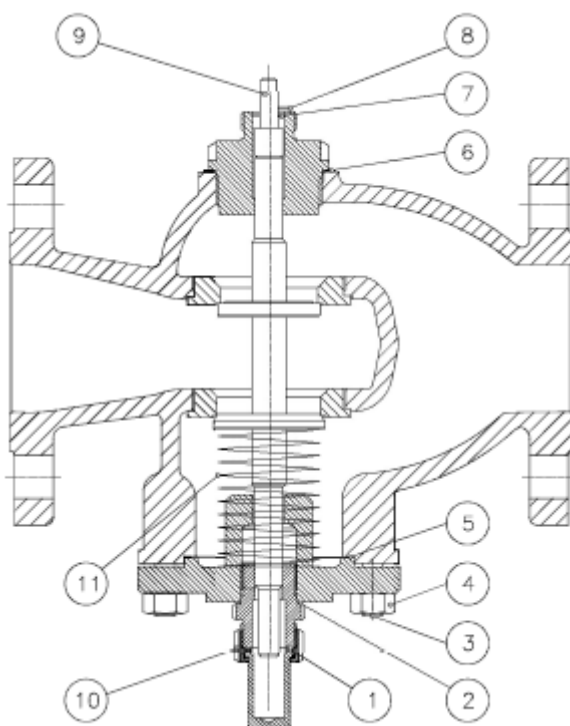
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H2FR SPARE PARTS

S-2.4.10-A

2-way Control Valves

Cast steel, PN 25, DN 100-150 mm / PN 16, DN 150 mm, Reverse acting



DN100 to 150

Pos.	Component
------	-----------

1	Gasket
2	Gasket
3	Stud bolt
4	Nut
5	Gasket
6	Gasket
7	Locking ring
8	Gasket
9	Cone shaft
10	Nut
11	Spring

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 8	100 H2FR	1-2992369
	1 to 8	125 H2FR	1-2992371
	1 to 8	150 H2FR	1-2992373
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	100 H2FR	1-2992370
	1 to 11	125 H2FR	1-2992372
	1 to 11	150 H2FR	1-2992374

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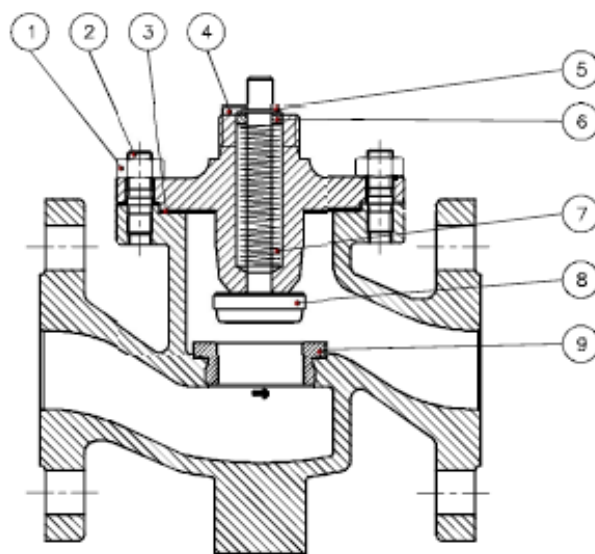
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CONTROLS

G1F SPARE PARTS

2-way Control Valves

Nodular cast iron, PN 25, DN 15/4-50 mm

S-2.5.02-A



DN15-50

Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	Spring
6	Disc
7	Locking ring
8	Seat
9	Cone

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 4	15/4-15 G1F	1-2991209	components pos.	1 to 9	15/4 G1F	1-2991271
	1 to 4	20/9-20 G1F	1-2991217		1 to 9	15/6 G1F	1-2991273
	1 to 4	25/20-25 G1F	1-2991225		1 to 9	15/9 G1F	1-2991275
	1 to 4	32/25-32 G1F	1-2991233		1 to 9	15/12 G1F	1-2991278
	1 to 4	40/32-40 G1F	1-2991245		1 to 9	15 G1F	1-2991281
	1 to 4	50/40-50 G1F	1-2991263		1 to 9	20/9 G1F	1-2991284
					1 to 9	20 G1F	1-2991290
					1 to 9	25 G1F	1-2991299
					1 to 9	32 G1F	1-2991311
					1 to 9	40 G1F	1-2991327
					1 to 9	50 G1F	1-2991339

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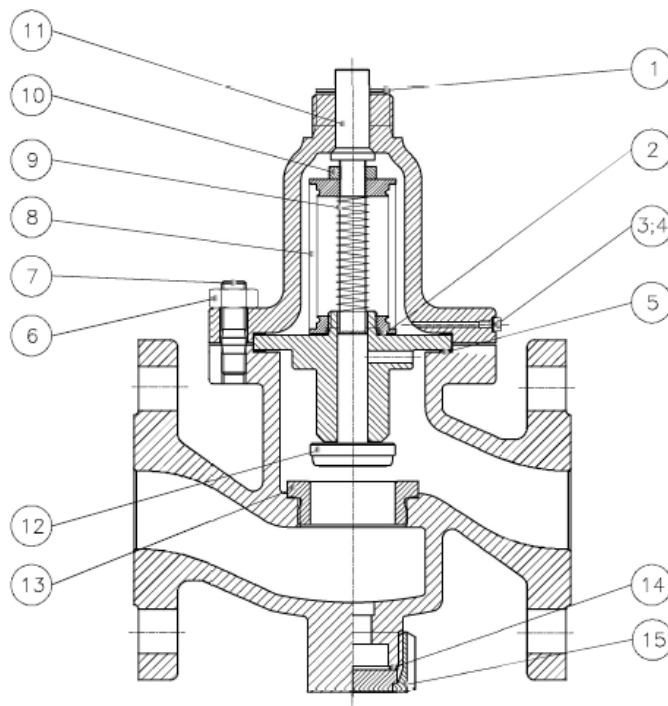
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CONTROLS

G1FB SPARE PARTS

Balanced 2-way Control Valves
Nodular cast iron, PN 25, DN 25-65 mm

S-2.5.03-A



DN25-65

Pos. Component

1	Gasket
2	Gasket
3	Washer
4	Nut
5	Gasket
6	Nut
7	Stud bolt
8	Bellow
9	Spring
10	Nut
11	Press button
12	Cone
13	Seat
14	Gasket
15	Screw cap

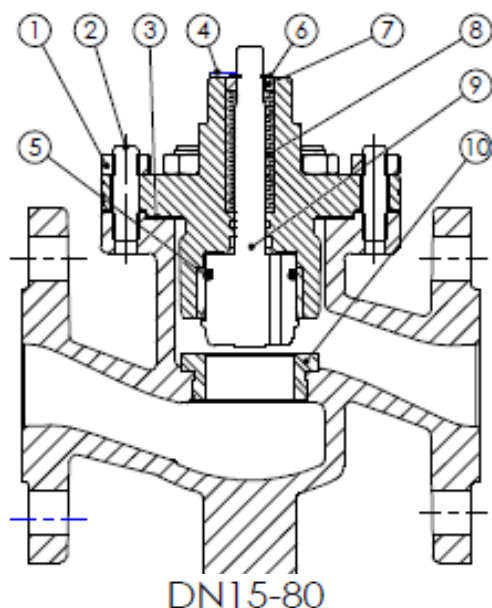
Order Information:

Packing set	Pos.	Valve	Item No.	Trim Set	Pos.	Valve	Item No.
components pos.	1 to 7	25 G1FB	1-2992310	components pos.	1 to 13	25 G1FB	1-2992327
	1 to 7	32 G1FB	1-2992312		1 to 13	32 G1FB	1-2992329
	1 to 7	40 G1FB	1-2992315		1 to 13	40 G1FB	1-2992331
	1 to 7	50 G1FB	1-2992317		1 to 13	50 G1FB	1-2992332
	1 to 7 ;14	65 G1FB	1-2992319		1 to 15	65 G1FB	1-2992333

G1FBN SPARE PARTS

Balanced 2-way Control Valves
Nodular cast iron, PN 25, DN 15-80 mm

S-2.5.03.01-A



Pos.	Component
1	Nut
2	Stud bolt
3	Gasket
4	Gasket
5	O-ring
6	Locking ring
7	Disc
8	Spring
9	Cone
10	Lower seat

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 5	15 G1FBN	1-2992335	components pos.	1 to 10	15 G1FBN	1-2992345
	1 to 5	20 G1FBN	1-2992336		1 to 10	20 G1FBN	1-2992346
	1 to 5	25 G1FBN	1-2992337		1 to 10	25 G1FBN	1-2992347
	1 to 5	32 G1FBN	1-2992338		1 to 10	32 G1FBN	1-2992348
	1 to 5	40 G1FBN	1-2992339		1 to 10	40 G1FBN	1-2992349
	1 to 5	50 G1FBN	1-2992340		1 to 10	50 G1FBN	1-2992350
	1 to 5	65 G1FBN	1-2992341		1 to 10	65 G1FBN	1-2992351
	1 to 5	80 G1FBN	1-2992342		1 to 10	80 G1FBN	1-2992352

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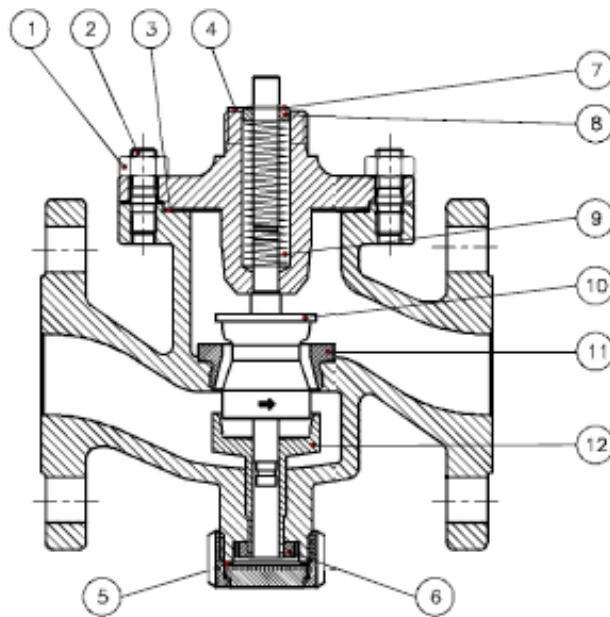
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G2F SPARE PARTS

2-way Control Valves

Nodular cast iron, 2 seats, PN 25, DN 20-80 mm, Flanged ends

S-2.5.04-A



DN20-80

Pos.	Component
------	-----------

1	Nut
2	Stud bolt
3	Gasket
4	Gasket
5	Gasket
6	Nut
7	Locking ring
8	Disc
9	Spring
10	Cone
11	Seat
12	Lower seat

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 5	20 G2F	1-2991345	components pos.	1 to 12	20 G2F	1-2991373
	1 to 5	25 G2F	1-2991349		1 to 12	25 G2F	1-2991375
	1 to 5	32 G2F	1-2991352		1 to 12	32 G2F	1-2991379
	1 to 5	40 G2F	1-2991355		1 to 12	40 G2F	1-2991381
	1 to 5	50 G2F	1-2991360		1 to 12	50 G2F	1-2991385
	1 to 5	65 G2F	1-2991363		1 to 12	65 G2F	1-2991389
	1 to 5	80 G2F	1-2991367		1 to 12	80 G2F	1-2991392

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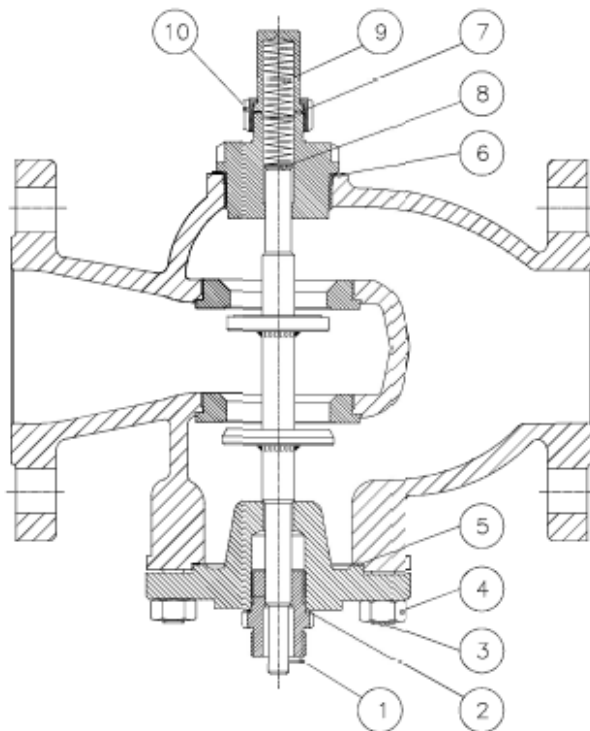
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CONTROLS

G2F SPARE PARTS

2-way Control Valves

Nodular cast iron, PN 16, DN 100-150 mm

S-2.5.05-A



DN100 and 150

Pos.	Component
------	-----------

1	Gasket
2	Gasket
3	Stud bolt
4	Nut
5	Gasket
6	Gasket
7	Gasket
8	Disc
9	Spring
10	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	100 G2F	1-2992359
	1 to 7	150 G2F	1-2991066
Trim set	Pos.	Valve	Item No.
components pos.	1 to 10	100 G2F	1-2992360
	1 to 10	150 G2F	1-2991065

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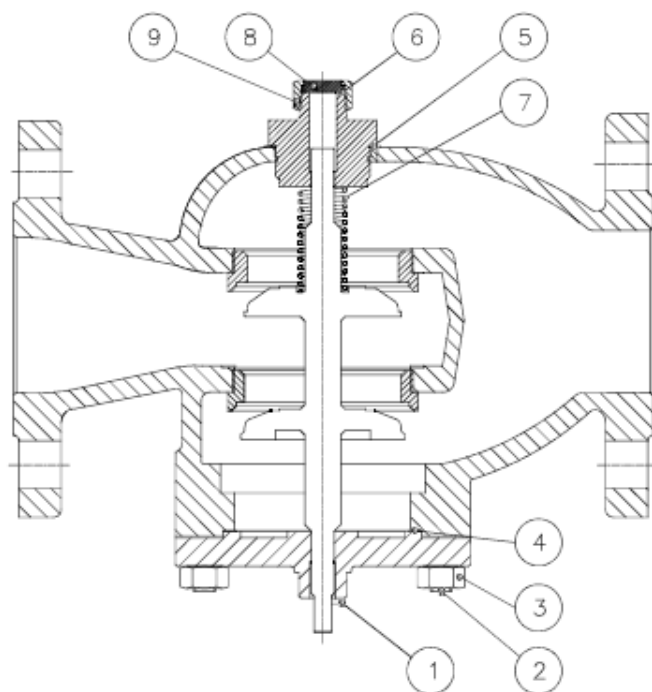
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CONTROLS

G2F SPARE PARTS

2-way Control Valves

Nodular cast iron, PN 16, DN 100-150 mm

S-2.5.05-A



DN125

Pos.	Component
------	-----------

1	Gasket
2	Stud bolt
3	Nut
4	Gasket
5	Gasket
6	Gasket
7	Spring
8	Disc
9	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 6	125 G2F	1-2992361

Trim set	Pos.	Valve	Item No.
components pos.	1 to 9	125 G2F	1-2992362

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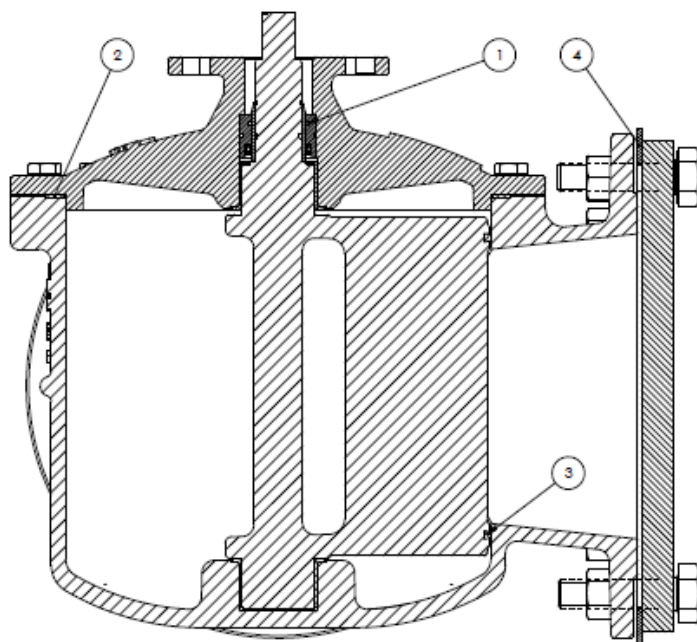
Clorius
CONTROLS

G2FM-T SPARE PARTS

S-2.5.05.01-A

2-way Control Valves

Nodular cast iron, PN 16, DN 100–300 mm / PN 10, DN 350–500 mm



Pos.	Component
1	O-ring for bushing
2	Gasket
3	O-ring for slide
4	Gasket

Order Information:

Packing set	Pos.	Valve	Item No.
components	1 to 4	100 G2FM -T	1-2991540
pos.	1 to 4	125 G2FM -T	1-2991541
	1 to 4	150 G2FM -T	1-2991542
	1 to 4	200 G2FM -T	1-2991543
	1 to 4	250 G2FM -T	1-2991544
	1 to 4	300 G2FM -T	1-2991545
	1 to 4	350 G2FM -T	1-2991546
	1 to 4	400 G2FM -T	1-2991547
	1 to 4	450 G2FM -T	1-2991548
	1 to 4	500 G2FM -T	1-2991549

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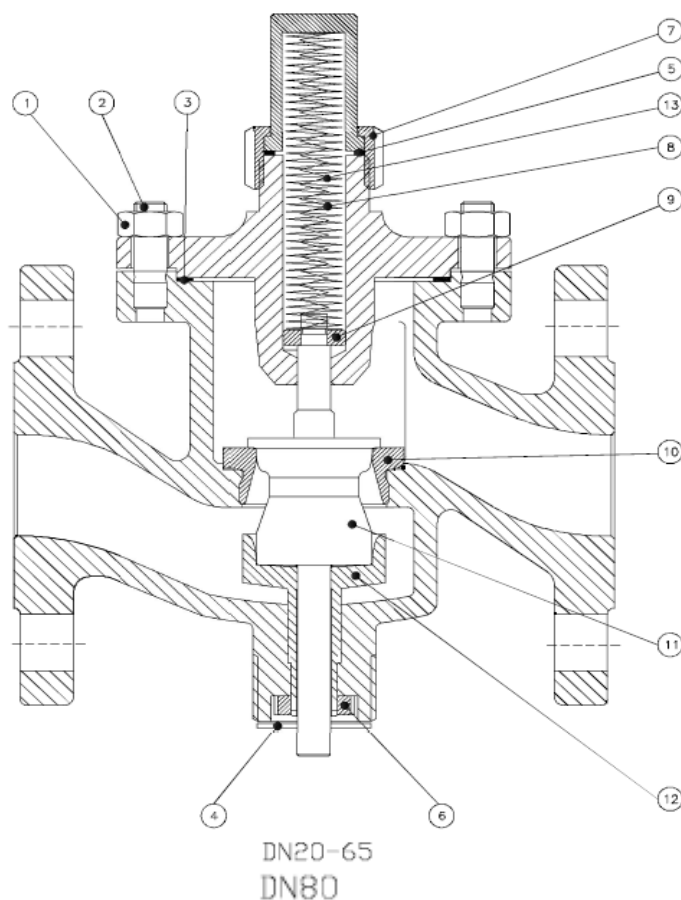
Clorius
CONTROLS

G2FR SPARE PARTS

2-way Control Valves

Nodular cast iron, PN 25, DN 20-80 mm, Reverse acting

S-2.5.06-A



Pos.	Component
1	Nut
2	Stud bolt
3	Gasket
4	Gasket
5	Gasket
6	Nut
7	Nut
8	Spring
9	Disc
10	Cone
11	Seat
12	Lower seat
13	Spring

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 5	20 G2FR	1-2991345	components pos.	1 to 12	20 G2FR	1-2990806
	1 to 5	25 G2FR	1-2991349		1 to 12	25 G2FR	1-2990808
	1 to 5	32 G2FR	1-2991352		1 to 12	32 G2FR	1-2990810
	1 to 5	40 G2FR	1-2991355		1 to 12	40 G2FR	1-2990938
	1 to 5	50 G2FR	1-2991360		1 to 12	50 G2FR	1-2990911
	1 to 5	65 G2FR	1-2991363		1 to 13	65 G2FR	1-2991427
	1 to 5	80 G2FR	1-2991367		1 to 13	80 G2FR	1-2991429

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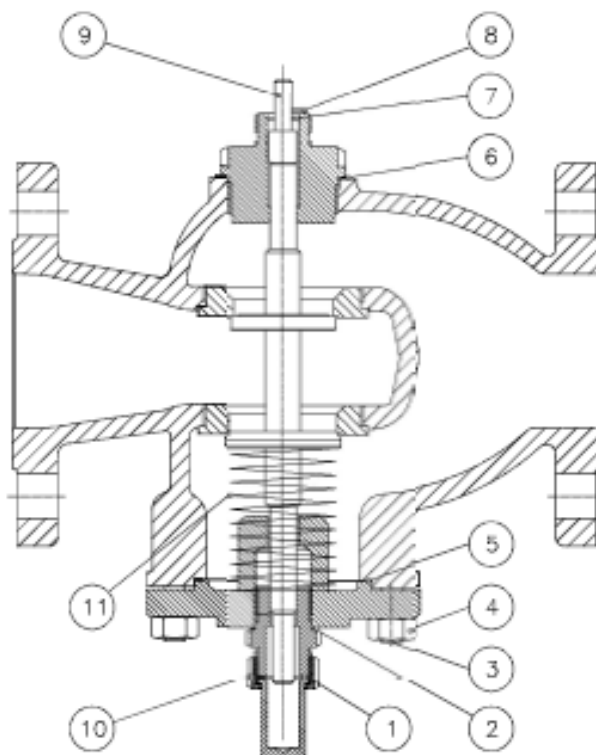
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CONTROLS

G2FR SPARE PARTS

2-way Control Valves

Nodular cast iron, PN 16, DN 100-150 mm, Reverse acting

S-2.5.07-A



DN100 and 150

Pos.	Component
------	-----------

1	Gasket
2	Gasket
3	Stud bolt
4	Nut
5	Gasket
6	Gasket
7	Locking ring
8	Gasket
9	Cone shaft
10	Nut
11	Spring

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 8	100 G2FR	1-2991901
	1 to 8	150 G2FR	1-2991905
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	100 G2FR	1-2991902
	1 to 11	150 G2FR	1-2991906

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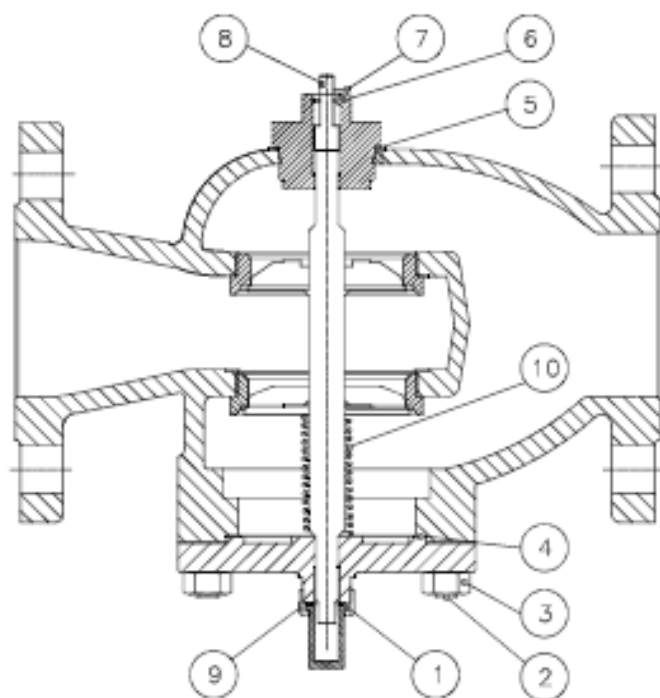
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CONTROLS

G2FR SPARE PARTS

2-way Control Valves

Nodular cast iron, PN 16, DN 100-150 mm, Reverse acting

S-2.5.07-A



DN125

Pos.	Component
------	-----------

1	Gasket
2	Stud bolt
3	Nut
4	Gasket
5	Gasket
6	Locking ring
7	Gasket
8	Cone shaft
9	Nut
10	Spring

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	125 G2FR	1-2991903
Trim set	Pos.	Valve	Item No.
components pos.	1 to 10	125 G2FR	1-2991904

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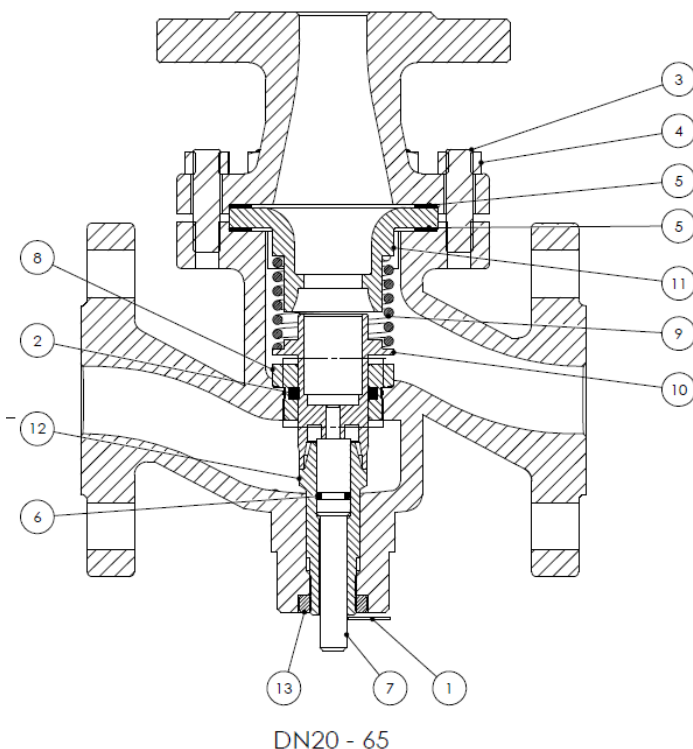
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CONTROLS

G3F SPARE PARTS

3-way Control Valves

Nodular cast iron, PN 25, DN 20-65 mm, Flanged ends

S-2.5.08-A



Pos.	Component
------	-----------

1	Gasket
2	Gasket
3	Stud bolt
4	Nut
5	Gasket
6	O-ring
7	Spindel
8	Seat seal
9	Spring
10	Cone
11	Seat
12	Lower seat
13	Locknut

Order Information:

Packing set	Pos.	Valve	Item No.	Trim set	Pos.	Valve	Item No.
components pos.	1 to 6	20 G3F	1-2990710	components pos.	1 to 13	20 G3F	1-2990744
	1 to 5	25 G3F	1-2990712		1 to 5 ; 7 to 13	25 G3F	1-2990746
	1 to 5	32 G3F	1-2990715		1 to 5 ; 7 to 13	32 G3F	1-2990750
	1 to 5	40 G3F	1-2990717		1 to 5 ; 7 to 13	40 G3F	1-2990752
	1 to 5	50 G3F	1-2990719		1 to 5 ; 7 to 13	50 G3F	1-2990755
	1 to 5	65 G3F	1-2990721		1 to 5 ; 7 to 13	65 G3F	1-2990758

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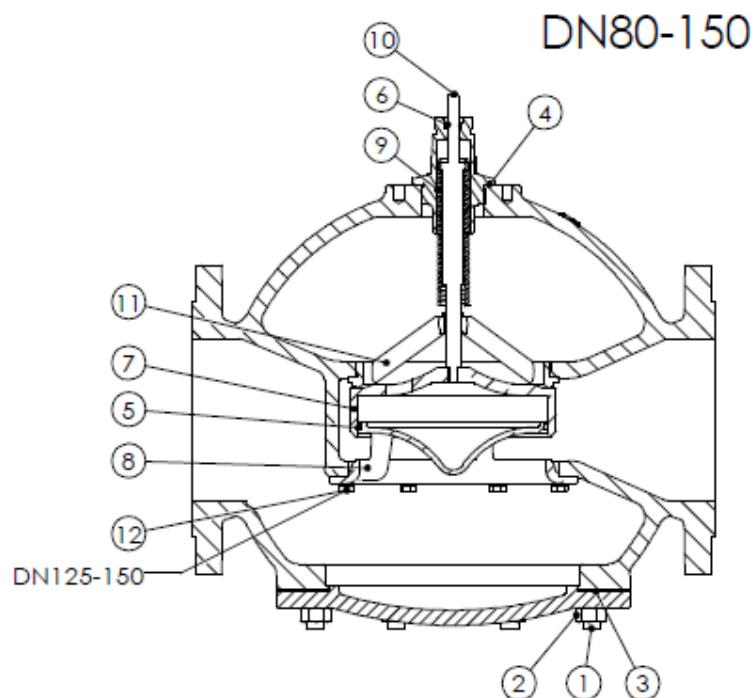
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CONTROLS

G3F SPARE PARTS

3-way Control Valves

Nodular cast iron, PN 16, DN 80-150 mm

S-2.5.09-A



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	Cone
8	Lower seat
9	Spring
10	Spindle
11	Upper seat
12	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 6	80 G3F	1-2991620
	1 to 6	100 G3F	1-2991623
	1 to 6	125 G3F	1-2991627
	1 to 6	150 G3F	1-2991632
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	80 G3F	1-2991640
	1 to 11	100 G3F	1-2991643
	1 to 12	125 G3F	1-2991645
	1 to 12	150 G3F	1-2991649

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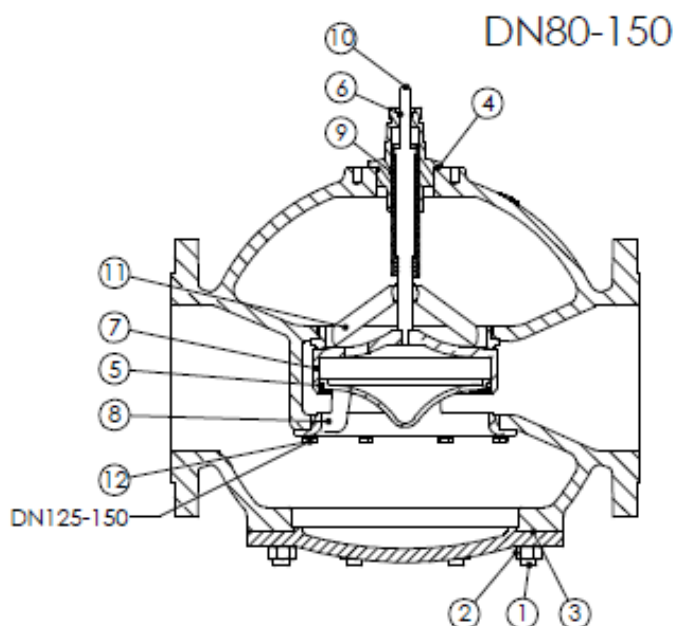
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CONTROLS

G3F- I (Ports A-AB interchanged) **SPARE PARTS**

3-way Control Valves

Nodular cast iron, PN 16, DN 80-150 mm

S-2.5.09.01-A

Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	Cone
8	Lower seat
9	Spring
10	Spindle
11	Upper seat
12	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 6	80 G3F-I	1-2991620
	1 to 6	100 G3F-I	1-2991623
	1 to 6	125 G3F-I	1-2991627
	1 to 6	150 G3F-I	1-2991632
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	80 G3F-I	1-2991640
	1 to 11	100 G3F-I	1-2991643
	1 to 12	125 G3F-I	1-2991645
	1 to 12	150 G3F-I	1-2991649

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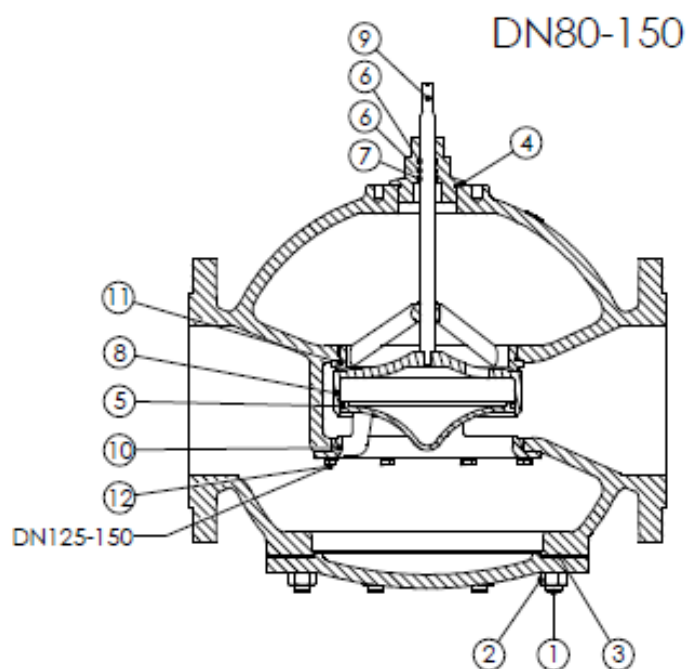
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CONTROLS

G3FA SPARE PARTS

3-way Control Valves

Nodular cast iron, DN 80-300 mm

S-2.5.09.02-A



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-ring
8	Cone
9	Spindle
10	Lower seat
11	Upper seat
12	Screw
13	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	80 G3FA	1-2992701
	1 to 7	100 G3FA	1-2992703
	1 to 7	125 G3FA	1-2992705
	1 to 7	150 G3FA	1-2992707
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	80 G3FA	1-2992700
	1 to 11	100 G3FA	1-2992702
	1 to 12	125 G3FA	1-2992704
	1 to 12	150 G3FA	1-2992706

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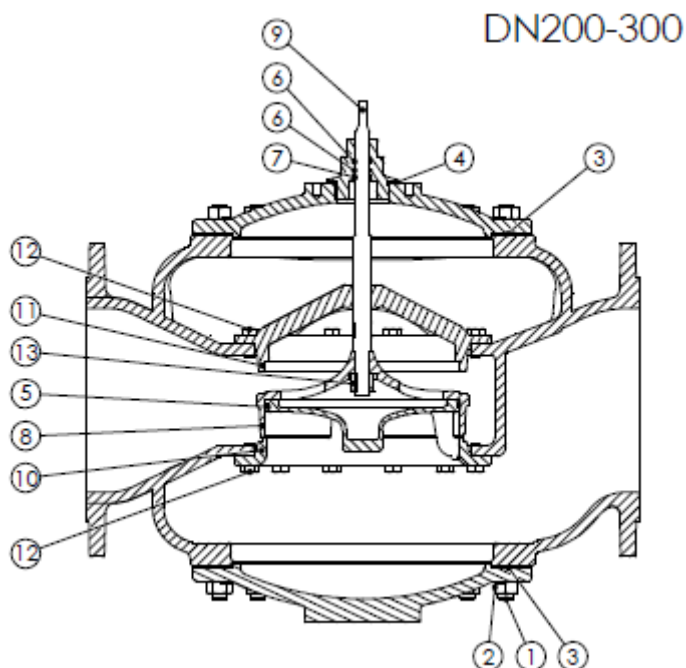
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CONTROLS

G3FA SPARE PARTS

3-way Control Valves

Nodular cast iron, DN 80-300 mm

S-2.5.09.02-A



Pos.	Component
------	-----------

1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-ring
8	Cone
9	Spindle
10	Lower seat
11	Upper seat
12	Screw
13	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	200/175 G3FA	1-2992709
	1 to 7	200 G3FA	1-2992711
	1 to 7	250/300 G3FA	1-2992713
	1 to 7	300 G3FA	1-2992715
Trim set	Pos.	Valve	Item No.
components pos.	1 to 13	200/175 G3FA	1-2992708
	1 to 13	200 G3FA	1-2992710
	1 to 13	250/300 G3FA	1-2992712
	1 to 13	300 G3FA	1-2992714

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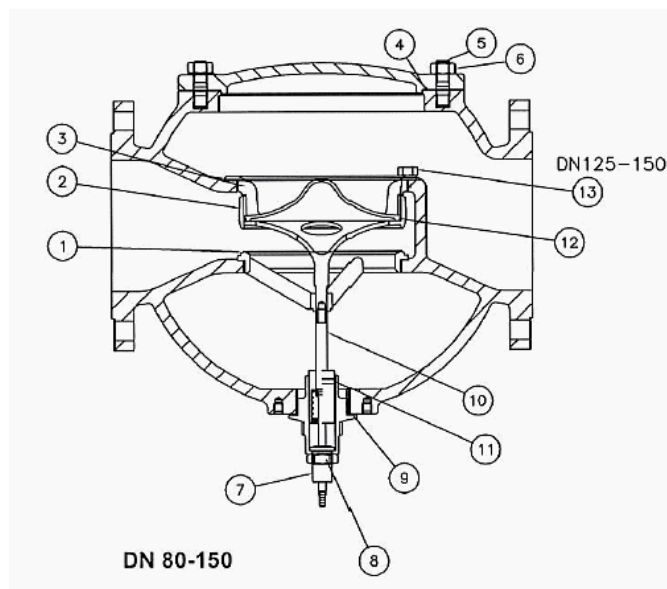
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CONTROLS

G3FM SPARE PARTS

S-2.5.10-A

3-way Control Valves

Nodular cast iron, PN 16, DN 80-200 mm / PN 10, DN 300/250-300 mm



Pos.	Component
1	Upper seat
2	Cone
3	Lower seat
4	Gasket
5	Stud bolt
6	Nut
7	Packbox
8	Nut
9	Gasket
10	Spindle
11	Pin
12	Gasket
13	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	4 to 7;9;12	80 G3FM	1-2991482
	4 to 7;9;12	100 G3FM	1-2991485
	4 to 7;9;12	125 G3FM	1-2991487
	4 to 7;9;12	150 G3FM	1-2991492
	4 to 7;9;12	200/175 G3FM	1-2991495
	4 to 7;9;12	200 G3FM	1-2991495

Trim set	Pos.	Valve	Item No.
components pos.	1 to 12	80 G3FM	1-2991505
	1 to 12	100 G3FM	1-2991508
	1 to 13	125 G3FM	1-2991602
	1 to 13	150 G3FM	1-2991607
	1 to 17	200/175 G3FM	1-2991609
	1 to 17	200 G3FM	1-2991610

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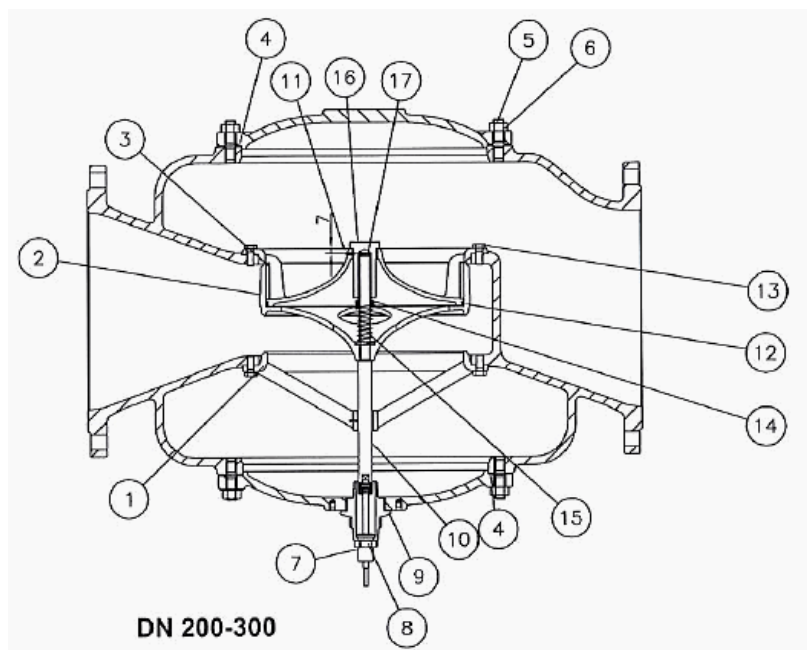
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CONTROLS

G3FM SPARE PARTS

S-2.5.10-A

3-way Control Valves

Nodular cast iron, PN 16, DN 80-200 mm / PN 10, DN 300/250-300 mm



Pos.	Component
1	Upper seat
2	Cone
3	Lower seat
4	Gasket
5	Stud bolt
6	Nut
7	Packbox
8	Nut
9	Gasket
10	Spindle
11	Pin
12	Gasket
13	Screw
14	Guide bushing
15	Spring
16	Screw connection
17	Spring washer

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	4 to 7;9;12	300/250 G3FM	1-2991499
	4 to 7;9;12	300 G3FM	1-2991499
Trim set	Pos.	Valve	Item No.
components pos.	1 to 17	300/250 G3FM	1-2991612
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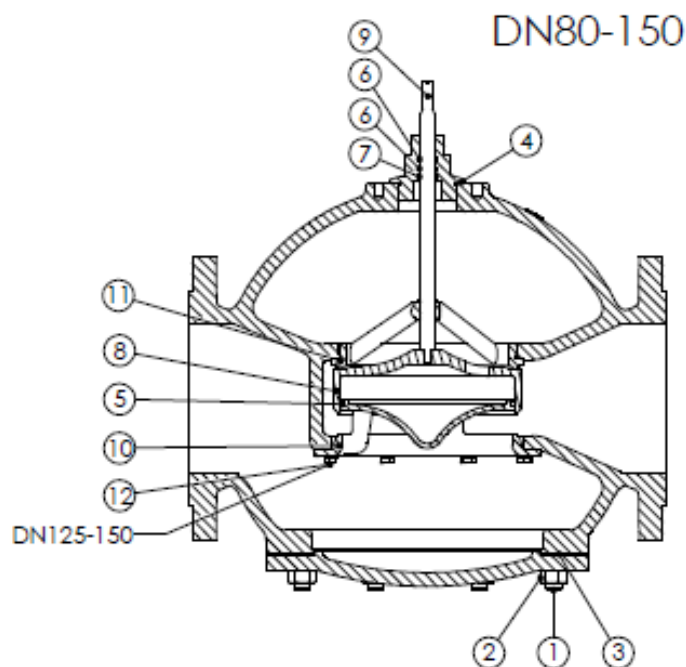
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CONTROLS

G3FA-I (Ports A-AB interchanged) **SPARE PARTS****S-2.5.13.01-A**

3-way Control Valves

Nodular cast iron, DN 80-200 mm – PN 16, DN 300/250 and 300mm - PN 10



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-ring
8	Cone
9	Spindle
10	Lower seat
11	Upper seat
12	Screw
13	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	80 G3FA-I	1-2992701
	1 to 7	100 G3FA-I	1-2992703
	1 to 7	125 G3FA-I	1-2992705
	1 to 7	150 G3FA-I	1-2992707
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	80 G3FA-I	1-2992700
	1 to 11	100 G3FA-I	1-2992702
	1 to 12	125 G3FA-I	1-2992704
	1 to 12	150 G3FA-I	1-2992706

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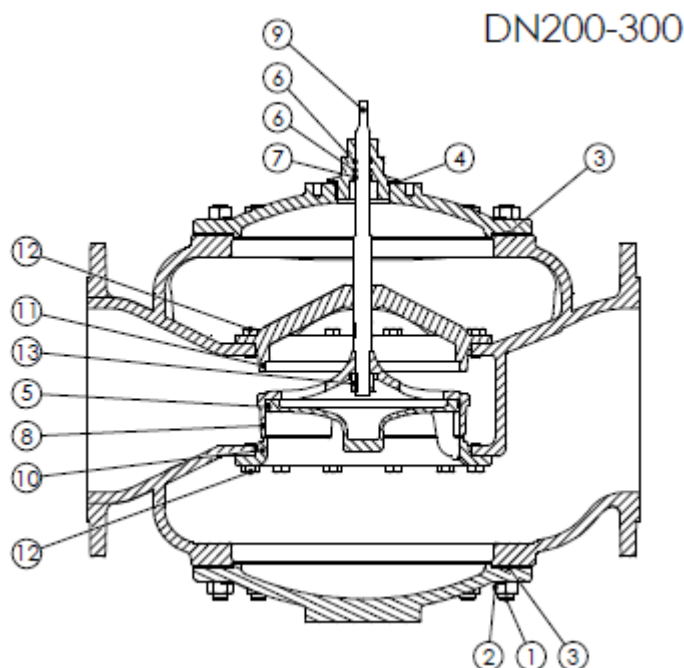
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CONTROLS

G3FA-I (Ports A-AB interchanged) **SPARE PARTS****S-2.5.13.01-A**

3-way Control Valves

Nodular cast iron, DN 80-200 mm – PN 16, DN 300/250 and 300mm - PN 10



Pos.	Component
1	Stud bolt
2	Nut
3	Gasket
4	Gasket
5	O-ring
6	O-ring
7	U-ring
8	Cone
9	Spindle
10	Lower seat
11	Upper seat
12	Screw
13	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 7	200/175 G3FA-I	1-2992709
	1 to 7	200 G3FA-I	1-2992711
	1 to 7	250/300 G3FA-I	1-2992713
	1 to 7	300 G3FA-I	1-2992715
Trim set	Pos.	Valve	Item No.
components pos.	1 to 13	200/175 G3FA-I	1-2992708
	1 to 13	200 G3FA-I	1-2992710
	1 to 13	250/300 G3FA-I	1-2992712
	1 to 13	300 G3FA-I	1-2992714

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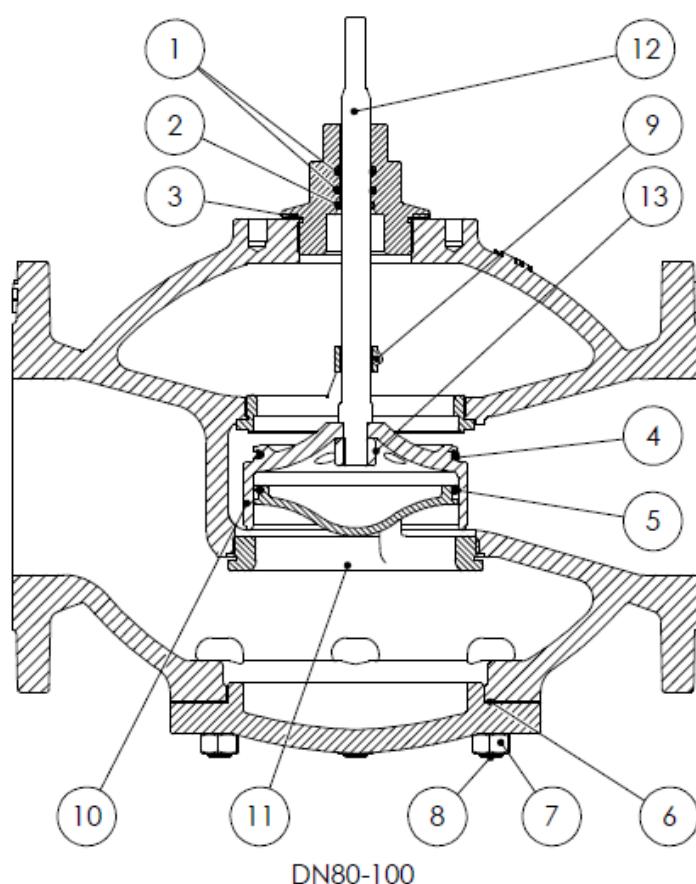
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CONTROLS

G3F SPARE PARTS

S-2.5.14-A

3-way Control Valves Type Low leakage

Nodular cast iron, PN 16, DN 80-200 mm / PN 10, DN 300/250-300 mm



Pos.	Component
------	-----------

1	O-ring
2	U-ring
3	Gasket
4	O-ring
5	O-ring
6	Gasket
7	Stud bolt
8	Nut
9	Upper seat
10	Cone
11	Lower seat
12	Spindle
13	Nut

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 8	80 G3F	1-2992221
	1 to 8	100 G3F	1-2992223
Trim set	Pos.	Valve	No.
components pos.	1 to 13	80 G3F	1-2992220
	1 to 13	100 G3F	1-2992222

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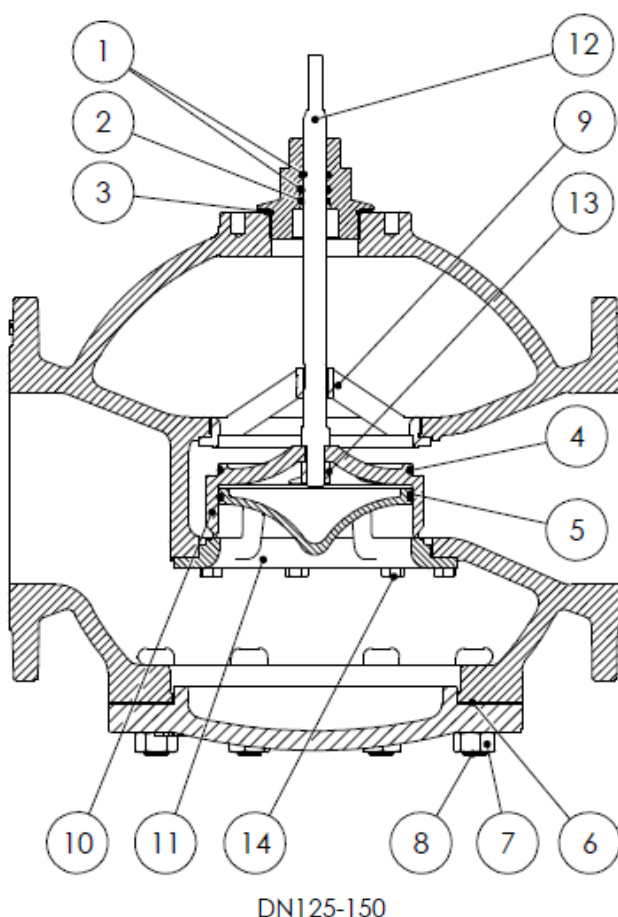
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CONTROLS

G3F SPARE PARTS

S-2.5.14-A

3-way Control Valves Type Low leakage

Nodular cast iron, PN 16, DN 80-200 mm / PN 10, DN 300/250-300 mm



Pos.	Component
------	-----------

1	O-ring
2	U-ring
3	Gasket
4	O-ring
5	O-ring
6	Gasket
7	Stud bolt
8	Nut
9	Upper seat
10	Cone
11	Lower seat
12	Spindle
13	Nut
14	Spindle

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 8	125 G3F	1-2992225
	1 to 8	150 G3F	1-2992227
Trim set	Pos.	Valve	Item No.
components pos.	1 to 14	125 G3F	1-2992224
	1 to 14	150 G3F	1-2992226

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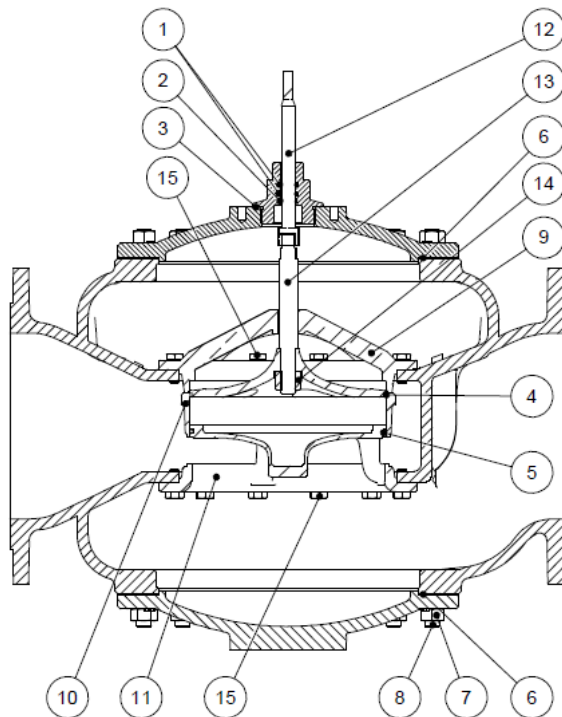
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G3F SPARE PARTS

S-2.5.14-A

3-way Control Valves Type Low leakage

Nodular cast iron, PN 16, DN 80-200 mm / PN 10, DN 300/250-300 mm



Pos.	Component
------	-----------

1	O-ring
2	U-ring
3	Gasket
4	O-ring
5	O-ring
6	Gasket
7	Stud bolt
8	Nut
9	Upper seat
10	Cone
11	Lower seat
12	Spindle
13	Nut
14	Spindle
15	Screw

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 8	200/175 G3F	1-2992229
	1 to 8	200 G3F	1-2992231
	1 to 8	300/250 G3F	1-2992233
	1 to 8	300 G3F	1-2992235
Trim set	Pos.	Valve	Item No.
components pos.	1 to 15	200/175 G3F	1-2992228
	1 to 15	200 G3F	1-2992230
	1 to 15	300/250 G3F	1-2992232
	1 to 15	300 G3F	1-2992234

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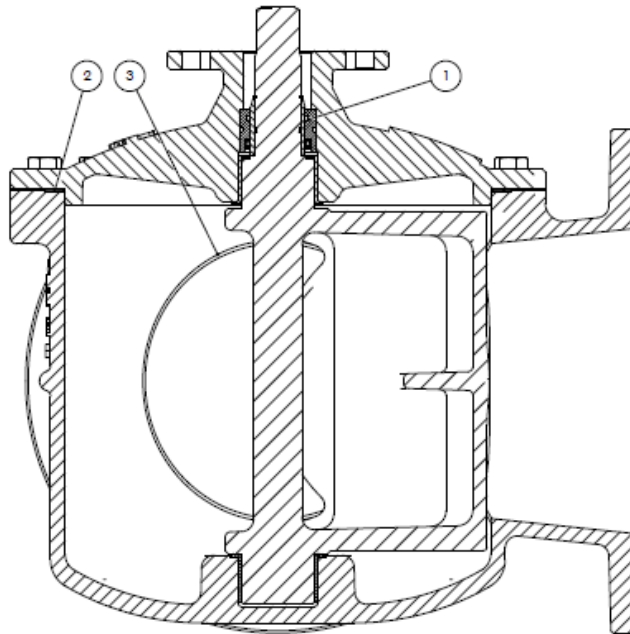
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CONTROLS

G3FM-TR(AB-Right) SPARE PARTS

S-2.6.02-A

3-way Control Valves, Nodular cast iron

PN 25, DN100--125 mm / PN16, DN 150-300 mm / PN 10, DN 350--600 mm



Pos.	Component
------	-----------

- | | |
|---|--------------------|
| 1 | O-ring for bushing |
| 2 | Gasket |
| 3 | O-ring for slide |

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 3	100 G3FM-TR	1-2991510
	1 to 3	125 G3FM-TR	1-2991511
	1 to 3	150 G3FM-TR	1-2991512
	1 to 3	200 G3FM-TR	1-2991513
	1 to 3	250 G3FM-TR	1-2991514
	1 to 3	300 G3FM-TR	1-2991515
	1 to 3	350 G3FM-TR	1-2991516
	1 to 3	400 G3FM-TR	1-2991517
	1 to 3	450 G3FM-TR	1-2991518
	1 to 3	500 G3FM-TR	1-2991519
	1 to 3	550 G3FM-TR	1-2991520
	1 to 3	600 G3FM-TR	1-2991521

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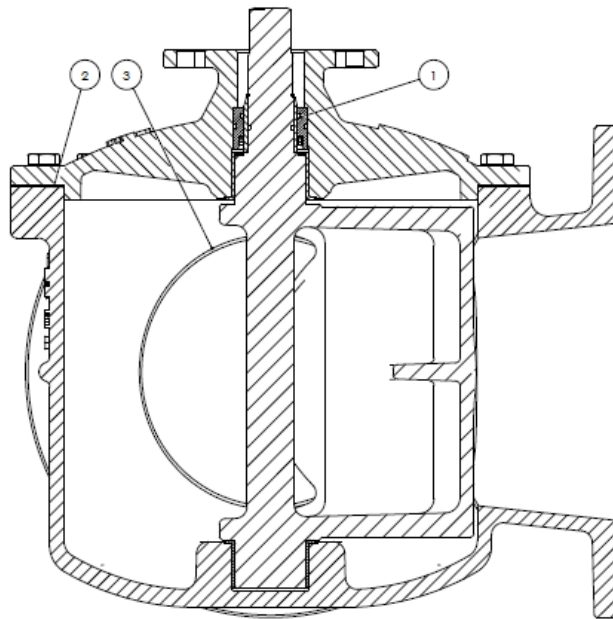
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CONTROLS

G3FM-TL(AB-Left) SPARE PARTS

S-2.6.03-A

3-way Control Valves

Nodular cast iron, PN 16, DN 100-300 mm / PN 10, DN 350-600 mm



Pos.	Component
1	O-ring for bushing
2	Gasket
3	O-ring for slide

Order Information:

Packing set	Pos.	Valve	Item No.
components	1 to 3	100 G3FM-TL	1-2991510
pos.	1 to 3	125 G3FM-TL	1-2991511
	1 to 3	150 G3FM-TL	1-2991512
	1 to 3	200 G3FM-TL	1-2991513
	1 to 3	250 G3FM-TL	1-2991514
	1 to 3	300 G3FM-TL	1-2991515
	1 to 3	350 G3FM-TL	1-2991516
	1 to 3	400 G3FM-TL	1-2991517
	1 to 3	450 G3FM-TL	1-2991518
	1 to 3	500 G3FM-TL	1-2991519
	1 to 3	550 G3FM-TL	1-2991520
	1 to 3	600 G3FM-TL	1-2991521

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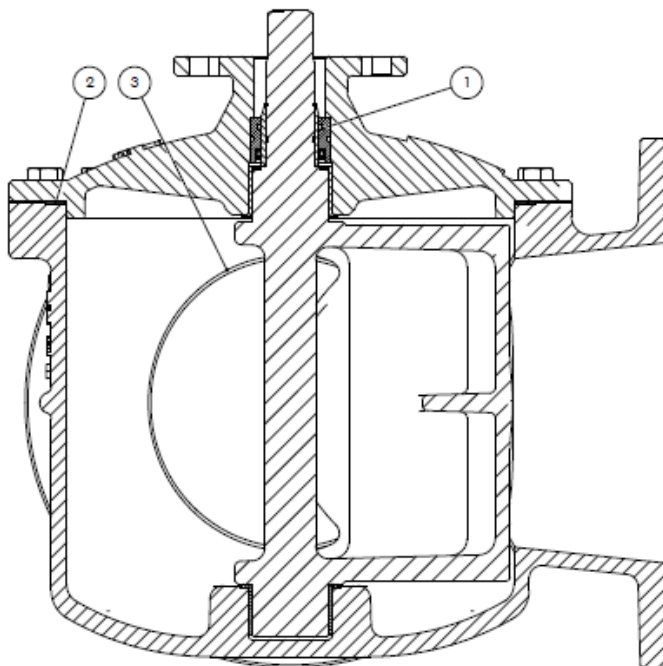
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CONTROLS

G3FM-TM (AB-Middle) SPARE PARTS

S-2.6.03.02-A

3-way Control Valves

Nodular cast iron, PN 16, DN 100-300 mm / PN 10, DN 350-500 mm



Pos.	Component
------	-----------

- | | |
|---|--------------------|
| 1 | O-ring for bushing |
| 2 | Gasket |
| 3 | O-ring for slide |

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 3	100 G3FM -TM	1-2991525
	1 to 3	125 G3FM -TM	1-2991526
	1 to 3	150 G3FM -TM	1-2991527
	1 to 3	200 G3FM -TM	1-2991528
	1 to 3	250 G3FM -TM	1-2991529
	1 to 3	300 G3FM -TM	1-2991530
	1 to 3	350 G3FM -TM	1-2991531
	1 to 3	400 G3FM -TM	1-2991532
	1 to 3	450 G3FM -TM	1-2991533
	1 to 3	500 G3FM -TM	1-2991534

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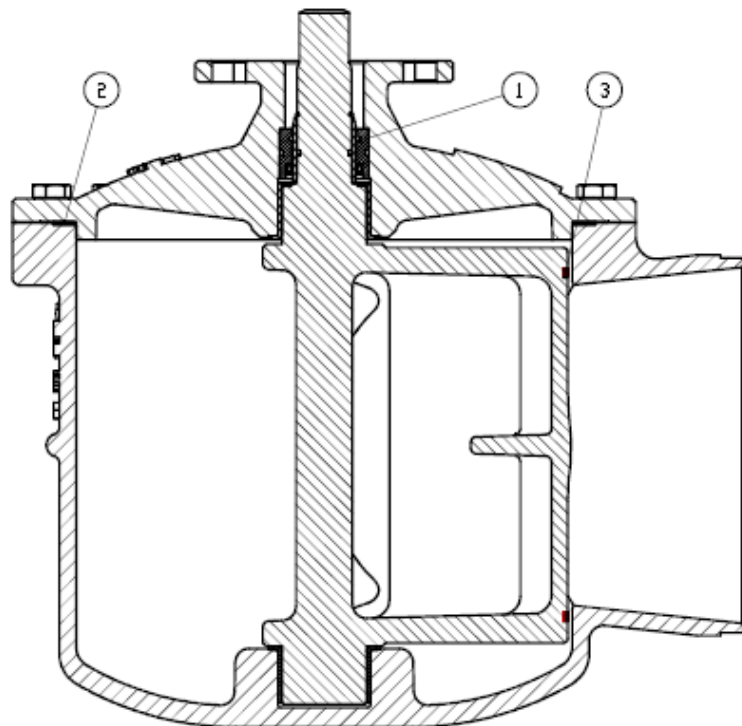
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G3CM-T SPARE PARTS

3-way Control Valves

Nodular cast iron, PN 16, DN 100-300 mm, Grooved joints

S-2.6.05-A



Pos.	Component
1	O-ring for bushing
2	Gasket
3	O-ring for slide

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 3	100 G3CM -TL	1-2991510
	1 to 3	125 G3CM -TL	1-2991511
	1 to 3	150 G3CM -TL	1-2991512
	1 to 3	200 G3CM -TL	1-2991513
	1 to 3	250 G3CM -TL	1-2991514
	1 to 3	300 G3CM -TL	1-2991515

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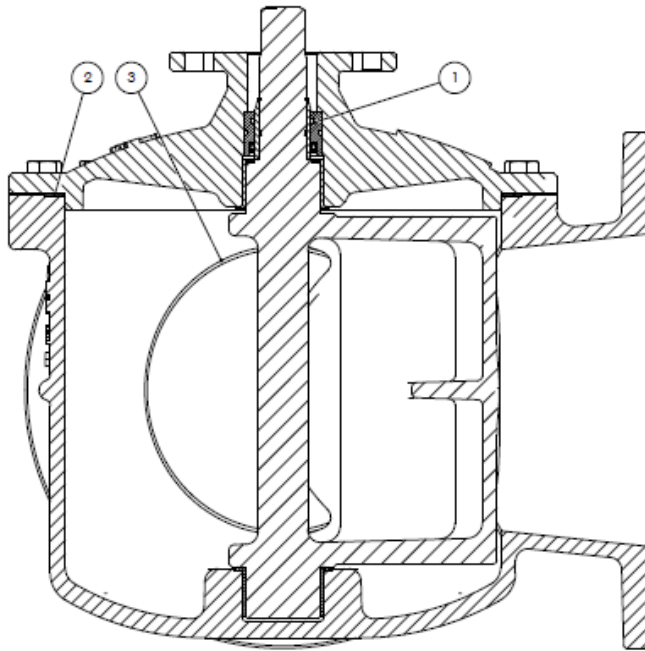
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CONTROLS

S3FM-TR (AB-Right) SPARE PARTS

S-2.7.01-A

3-way Control Valves

Stainless Steel, PN 16, DN 100-300 mm / PN 10, DN 350-500 mm



Pos.	Component
1	O-ring for bushing
2	Gasket
3	O-ring for slide

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 3	100 S3FM -TR	1-2991510
	1 to 3	125 S3FM -TR	1-2991511
	1 to 3	150 S3FM -TR	1-2991512
	1 to 3	200 S3FM -TR	1-2991513
	1 to 3	250 S3FM -TR	1-2991514
	1 to 3	300 S3FM -TR	1-2991515
	1 to 3	350 S3FM -TR	1-2991516
	1 to 3	400 S3FM -TR	1-2991517
	1 to 3	450 S3FM -TR	1-2991518
	1 to 3	500 S3FM -TR	1-2991519

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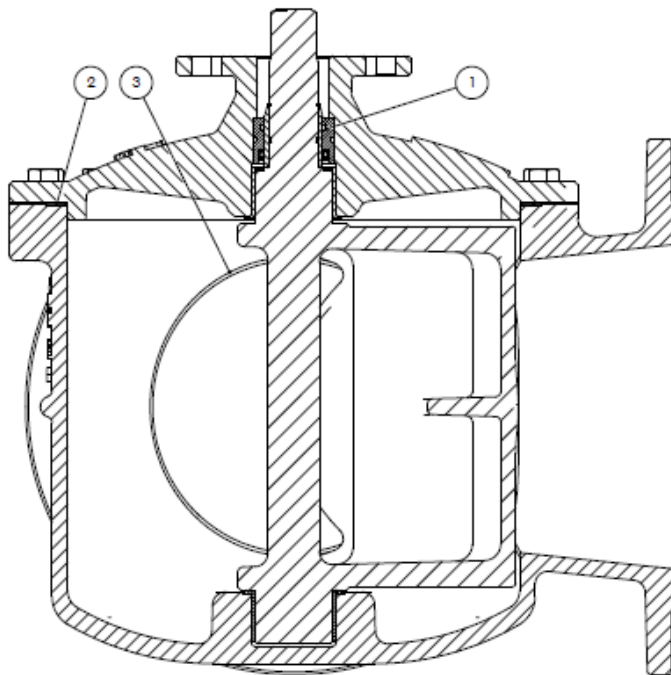
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S3FM-TL (AB-Left) SPARE PARTS**S-2.7.02-A**

3-way Control Valves

Stainless Steel, PN 16, DN 100-300 mm / PN 10, 350-500 mm

**Pos. Component**

- | | |
|---|--------------------|
| 1 | O-ring for bushing |
| 2 | Gasket |
| 3 | O-ring for slide |

Order Information:

Packing set	Pos.	Valve	Item No.
components	1 to 3	100 S3FM -TL	1-2991510
pos.	1 to 3	125 S3FM -TL	1-2991511
	1 to 3	150 S3FM -TL	1-2991512
	1 to 3	200 S3FM -TL	1-2991513
	1 to 3	250 S3FM -TL	1-2991514
	1 to 3	300 S3FM -TL	1-2991515
	1 to 3	350 S3FM -TL	1-2991516
	1 to 3	400 S3FM -TL	1-2991517
	1 to 3	450 S3FM -TL	1-2991518
	1 to 3	500 S3FM -TL	1-2991519

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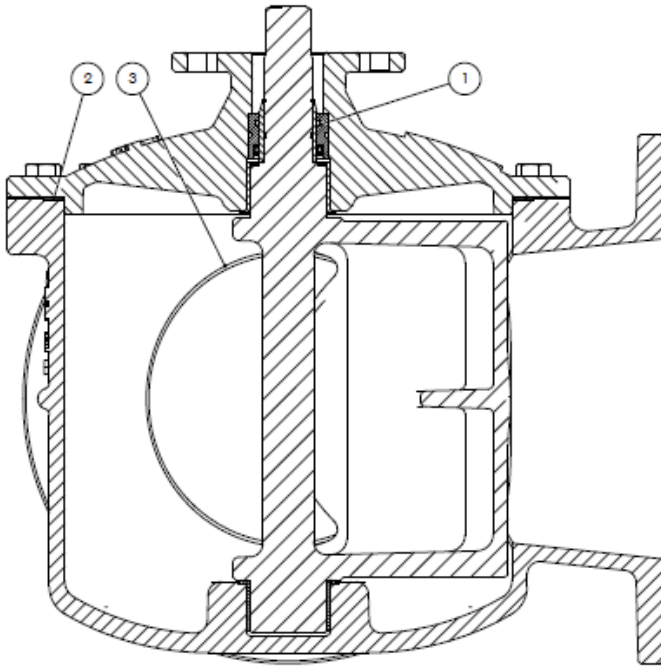
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S3FM-TM (AB-Middle) SPARE PARTS

S-2.7.03-A

3-way Control Valves

Stainless Steel, PN 16, DN 100-300 mm / PN 10, DN 350-500 mm



Pos.	Component
------	-----------

- | | |
|---|--------------------|
| 1 | O-ring for bushing |
| 2 | Gasket |
| 3 | O-ring for slide |

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 3	100 S3FM -TM	1-2991525
	1 to 3	125 S3FM -TM	1-2991526
	1 to 3	150 S3FM -TM	1-2991527
	1 to 3	200 S3FM -TM	1-2991528
	1 to 3	250 S3FM -TM	1-2991529
	1 to 3	300 S3FM -TM	1-2991530
	1 to 3	350 S3FM -TM	1-2991531
	1 to 3	400 S3FM -TM	1-2991532
	1 to 3	450 S3FM -TM	1-2991533
	1 to 3	500 S3FM -TM	1-2991534

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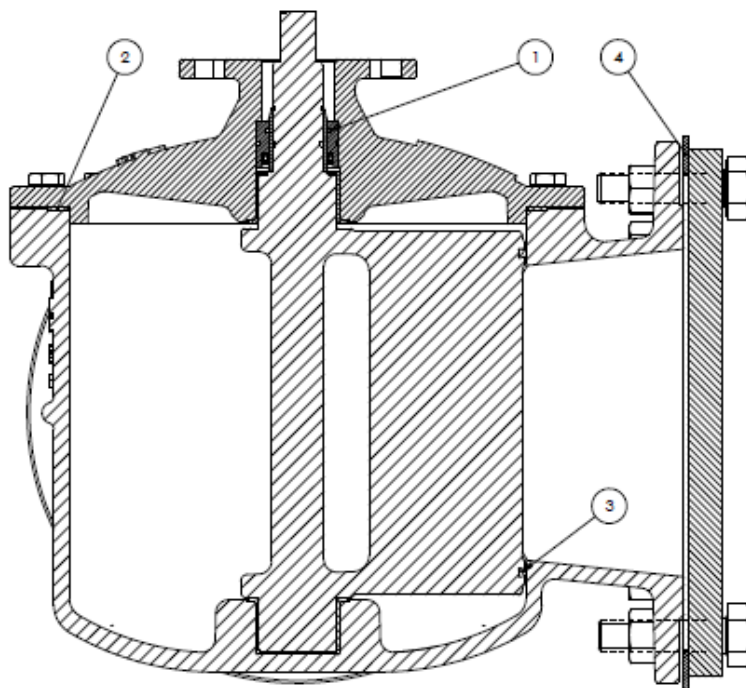
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S2FM-T SPARE PARTS

2-way Control Valves

Stainless steel, PN 16, DN 100-300 mm / PN 10, DN 350-500 mm

S-2.7.04-A



Pos.	Component
------	-----------

- | | |
|---|--------------------|
| 1 | O-ring for bushing |
| 2 | Gasket |
| 3 | O-ring for slide |
| 4 | Gasket |

Order Information:

Packing set	Pos.	Valve	Item No.
components pos.	1 to 4	100 S2FM -T	1-2991540
	1 to 4	125 S2FM -T	1-2991541
	1 to 4	150 S2FM -T	1-2991542
	1 to 4	200 S2FM -T	1-2991543
	1 to 4	250 S2FM -T	1-2991544
	1 to 4	300 S2FM -T	1-2991545
	1 to 4	350 S2FM -T	1-2991546
	1 to 4	400 S2FM -T	1-2991547
	1 to 4	450 S2FM -T	1-2991548
	1 to 4	500 S2FM -T	1-2991549

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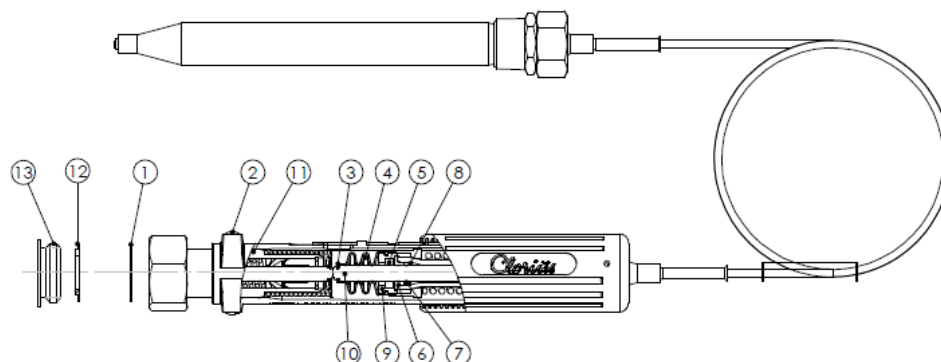
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SPARE PARTS

V2,V4 and V8 Thermostats
Self-acting Temperature Controls

S-3.4.01-A



Pos. Component

1	Gasket
2	Screw
3	Locking washer
4	Rubber bellow
5	Rubber ring
6	Collar bushing
7	O-ring
8	Support ring
9	Nut
10	Piston
11	O-ring
12	Packing
13	Reduction Nut 3/4"

Order Information:

PACKING SET	Pos.	Thermostat	Item No.
components pos.	1 to 8	V2	1-3990346
	1 to 8	V4	1-3990354
	1 to 9	V8	1-3990362
TRIM SET	Pos.	Thermostat	Item No.
components pos.	1 to 10	V2	1-3990303
	1 to 10	V4	1-3990311
	1 to 11	V8	1-3990338
REDUCTION SET FOR V2, V4, V8	Pos.	Valves 3/4"	Item No.
components pos.	1, 12, 13	V2, V4, V8	1-3990625
PACK BOX FOR V2, V4, V8			Item No.
			1-3990591

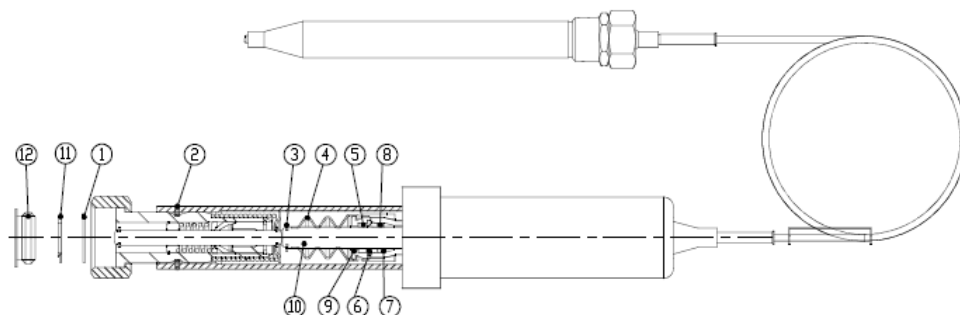
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SPARE PARTS

S-3.4.05-A

V4.03,V4.05 and V4.10 Thermostats of stainless steel
Self-acting Temperature Controls



Pos.	Component
1	Gasket
2	Screw
3	Locking washer
4	Rubber bellow
5	Rubber ring
6	Collar bushing
7	Oring
8	Support ring
9	Nut
10	Piston
11	Packing
12	Reduction Nut 3/4"

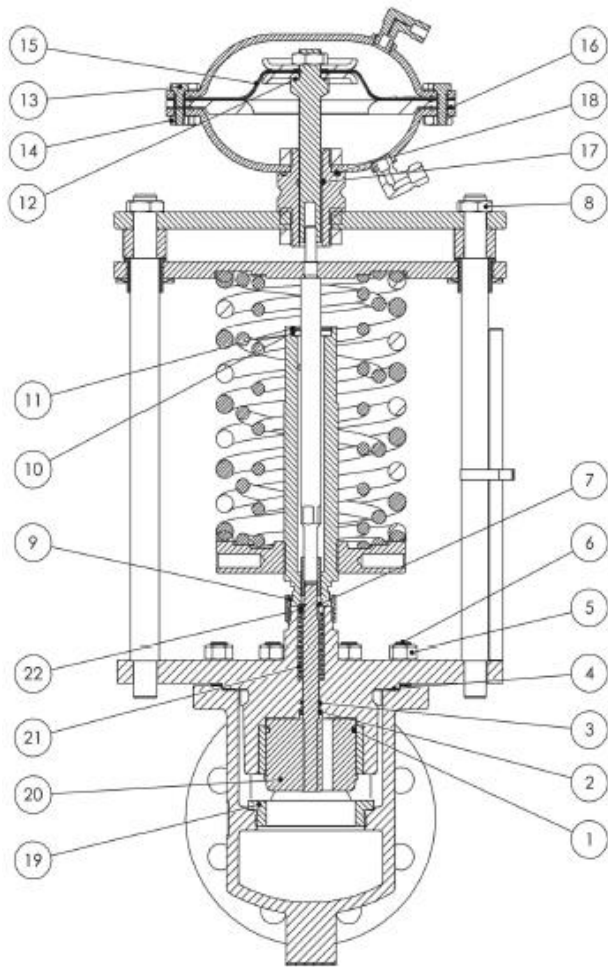
Order Information:

PACKING SET	Pos.	Thermostat	Item No.
components pos.	1-8	V4	1-3990355
TRIM SET	Pos.	Thermostat	Item No.
components pos.	1-10	V4	1-3990312
REDUCTION SET FOR V4	Pos.	Valves 3/4"	Item No.
components pos.	1, 11, 12	V4	1-3990625

Self-acting Differential Pressure Controls

Type TD56-2G (PN 25) and TD56-2M (PN 16), DN 15-80 mm

S-3.9.06.01-A



VALVE TD-56-2 DN15-80 PN16/25

Pos.	Component
1	O-ring
2	U-ring
3	O-ring
4	Gasket
5	Nut M8
6	Studbolt
7	Locking ring
8	Nut M16
9	Snap ring
10	Flat washer
11	Retaining ring
12	O-ring
13	Screw
14	Nut
15	Diaphragm
16	O-ring TD-56-2
17	O-ring
18	O-ring
19	Seat
20	Cone
21	Spring
22	Washer

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Self-acting Differential Pressure Controls**S-3.9.06.01-A**

Type TD56-2G (PN 25) and TD56-2M (PN 16), DN 15-80 mm

Order Information:

Packing set		Size	PN	PN	Range	Item No.
components pos.	1 to 15 ;17;18	DN15	PN 16	PN 25	0.4-0.8 BAR	1-2992600
	1 to 18	DN15	PN 16	PN 25	0.6-1.5 BAR	1-2992602
	1 to 18	DN15	PN 16	PN 25	1.0-2.5 BAR	1-2992602
	1 to 18	DN15	PN 16	PN 25	2.0-5.0 BAR	1-2992604
	1 to 15 ;17;18	DN20	PN 16	PN 25	0.4-0.8 BAR	1-2992606
	1 to 18	DN20	PN 16	PN 25	0.6-1.5 BAR	1-2992608
	1 to 18	DN20	PN 16	PN 25	1.0-2.5 BAR	1-2992608
	1 to 18	DN20	PN 16	PN 25	2.0-5.0 BAR	1-2992610
	1 to 15 ;17;18	DN25	PN 16	PN 25	0.4-0.8 BAR	1-2992612
	1 to 18	DN25	PN 16	PN 25	0.6-1.5 BAR	1-2992614
	1 to 18	DN25	PN 16	PN 25	1.0-2.5 BAR	1-2992614
	1 to 18	DN25	PN 16	PN 25	2.0-5.0 BAR	1-2992616
	1 to 15 ;17;18	DN32	PN 16	PN 25	0.4-0.8 BAR	1-2992618
	1 to 18	DN32	PN 16	PN 25	0.6-1.5 BAR	1-2992620
	1 to 18	DN32	PN 16	PN 25	1.0-2.5 BAR	1-2992620
	1 to 18	DN32	PN 16	PN 25	2.0-5.0 BAR	1-2992622
	1 to 15 ;17;18	DN40	PN 16	PN 25	0.4-0.8 BAR	1-2992624
	1 to 18	DN40	PN 16	PN 25	0.6-1.5 BAR	1-2992626
	1 to 18	DN40	PN 16	PN 25	1.0-2.5 BAR	1-2992626
	1 to 18	DN40	PN 16	PN 25	2.0-5.0 BAR	1-2992628
	1 to 15 ;17;18	DN50	PN 16	PN 25	0.4-0.8 BAR	1-2992642
	1 to 18	DN50	PN 16	PN 25	0.6-1.5 BAR	1-2992644
	1 to 18	DN50	PN 16	PN 25	1.0-2.5 BAR	1-2992644
	1 to 18	DN50	PN 16	PN 25	2.0-5.0 BAR	1-2992646

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Self-acting Differential Pressure Controls**S-3.9.06.01-A**

Type TD56-2G (PN 25) and TD56-2M (PN 16), DN 15-80 mm

	Size	PN	PN	Range	Item No.
1 to 15 ;17;18	DN65	PN 16	PN 25	0.4-0.8 BAR	1-2992630
1 to 18	DN65	PN 16	PN 25	0.6-1.5 BAR	1-2992632
1 to 18	DN65	PN 16	PN 25	1.0-2.5 BAR	1-2992632
1 to 18	DN65	PN 16	PN 25	2.0-5.0 BAR	1-2992634
1 to 15 ;17;18	DN80	PN 16	PN 25	0.4-0.8 BAR	1-2992636
1 to 18	DN80	PN 16	PN 25	0.6-1.5 BAR	1-2992638
1 to 18	DN80	PN 16	PN 25	1.0-2.5 BAR	1-2992638
1 to 18	DN80	PN 16	PN 25	2.0-5.0 BAR	1-2992640

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The logo for Clorius Controls, featuring the word "Clorius" in a large, stylized, cursive script font, with the word "CONTROLS" in a smaller, bold, sans-serif font directly beneath it.

Self-acting Differential Pressure Controls**S-3.9.06.01-A**

Type TD56-2G (PN 25) and TD56-2M (PN 16), DN 15-80 mm

Trim set		Size	PN	PN	Range	Item No.
components pos.	1 to 15 ; 17 to 22	DN15	PN 16	PN 25	0.4-0.8 BAR	1-2992601
	1 to 22	DN15	PN 16	PN 25	0.6-1.5 BAR	1-2992603
	1 to 22	DN15	PN 16	PN 25	1.0-2.5 BAR	1-2992603
	1 to 22	DN15	PN 16	PN 25	2.0-5.0 BAR	1-2992605
	1 to 15 ; 17 to 22	DN20	PN 16	PN 25	0.4-0.8 BAR	1-2992607
	1 to 22	DN20	PN 16	PN 25	0.6-1.5 BAR	1-2992609
	1 to 22	DN20	PN 16	PN 25	1.0-2.5 BAR	1-2992609
	1 to 22	DN20	PN 16	PN 25	2.0-5.0 BAR	1-2992611
	1 to 15 ; 17 to 22	DN25	PN 16	PN 25	0.4-0.8 BAR	1-2992613
	1 to 22	DN25	PN 16	PN 25	0.6-1.5 BAR	1-2992615
	1 to 22	DN25	PN 16	PN 25	1.0-2.5 BAR	1-2992615
	1 to 22	DN25	PN 16	PN 25	2.0-5.0 BAR	1-2992617
	1 to 15 ; 17 to 22	DN32	PN 16	PN 25	0.4-0.8 BAR	1-2992619
	1 to 22	DN32	PN 16	PN 25	0.6-1.5 BAR	1-2992621
	1 to 22	DN32	PN 16	PN 25	1.0-2.5 BAR	1-2992621
	1 to 22	DN32	PN 16	PN 25	2.0-5.0 BAR	1-2992623
	1 to 15 ; 17 to 22	DN40	PN 16	PN 25	0.4-0.8 BAR	1-2992625
	1 to 22	DN40	PN 16	PN 25	0.6-1.5 BAR	1-2992627
	1 to 22	DN40	PN 16	PN 25	1.0-2.5 BAR	1-2992627
	1 to 22	DN40	PN 16	PN 25	2.0-5.0 BAR	1-2992629
	1 to 15 ; 17 to 22	DN50	PN 16	PN 25	0.4-0.8 BAR	1-2992643
	1 to 22	DN50	PN 16	PN 25	0.6-1.5 BAR	1-2992645
	1 to 22	DN50	PN 16	PN 25	1.0-2.5 BAR	1-2992645
	1 to 22	DN50	PN 16	PN 25	2.0-5.0 BAR	1-2992647

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Self-acting Differential Pressure Controls**S-3.9.06.01-A**

Type TD56-2G (PN 25) and TD56-2M (PN 16), DN 15-80 mm

	Size	PN	PN	Range	Item No.
1 to 15 ; 17 to 22	DN65	PN 16	PN 25	0.4-0.8 BAR	1-2992631
1 to 22	DN65	PN 16	PN 25	0.6-1.5 BAR	1-2992633
1 to 22	DN65	PN 16	PN 25	1.0-2.5 BAR	1-2992633
1 to 22	DN65	PN 16	PN 25	2.0-5.0 BAR	1-2992635
1 to 15 ; 17 to 22	DN80	PN 16	PN 25	0.4-0.8 BAR	1-2992637
1 to 22	DN80	PN 16	PN 25	0.6-1.5 BAR	1-2992639
1 to 22	DN80	PN 16	PN 25	1.0-2.5 BAR	1-2992639
1 to 22	DN80	PN 16	PN 25	2.0-5.0 BAR	1-2992641

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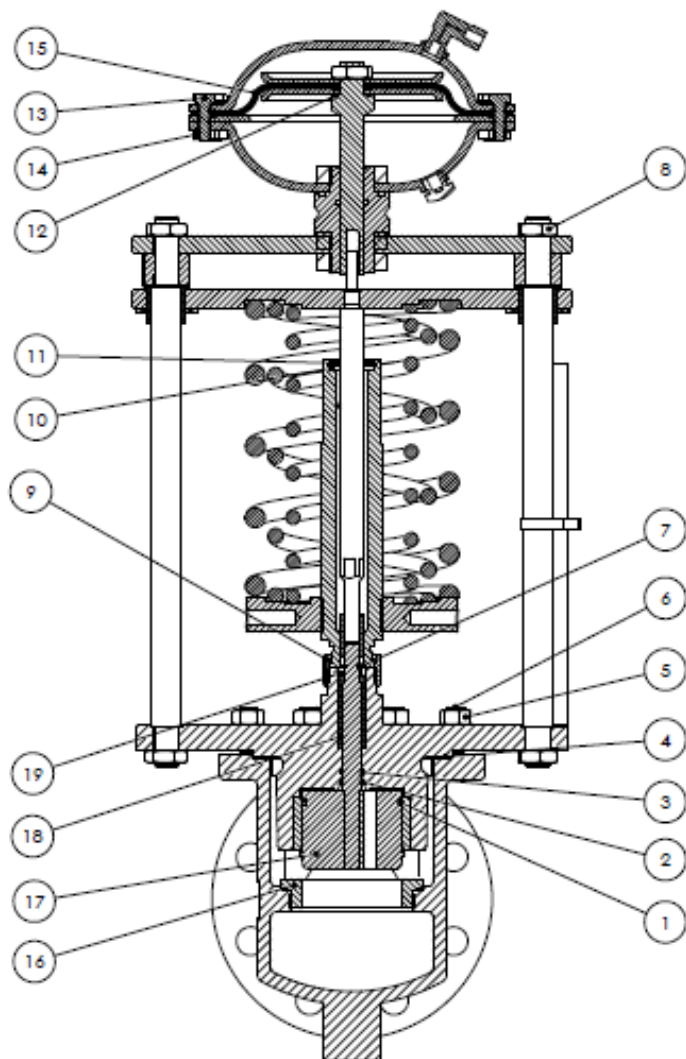
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Pressure Reducing

Valves type G1PR (PN 25) and H1PR (PN40), DN 15-80 mm

S-3.9.08-A



VALVE G/H1PR DN15-80

Pos.	Component
1	O-ring
2	U-ring
3	O-ring
4	Gasket
5	Nut M10
6	Studbolt
7	Locking ring
8	Nut M16
9	Snap ring
10	Flat washer
11	Retaining ring
12	O-ring
13	Screw
14	Nut
15	Diaphragm
16	Seat
17	Cone
18	Spring
19	Washer

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Pressure Reducing**S-3.9.08-A**

Valves type G1PR (PN 25) and H1PR (PN40), DN 15-80 mm

Order Information:

Packing set		Size	PN	PN	Range	Item No.
components pos.	1 to 15	DN15	PN 25	PN 40	0.4-1.2 BAR	1-2992650
	1 to 15	DN15	PN 25	PN 40	1.0-2.5 BAR	1-2992650
	1 to 15	DN15	PN 25	PN 40	2.0-5.0 BAR	1-2992650
	1 to 15	DN15	PN 25	PN 40	4.0-10 BAR	1-2992652
	1 to 15	DN15	PN 25	PN 40	8.0-16 BAR	1-2992652
	1 to 15	DN20	PN 25	PN 40	0.4-1.2 BAR	1-2992654
	1 to 15	DN20	PN 25	PN 40	1.0-2.5 BAR	1-2992654
	1 to 15	DN20	PN 25	PN 40	2.0-5.0 BAR	1-2992654
	1 to 15	DN20	PN 25	PN 40	4.0-10 BAR	1-2992656
	1 to 15	DN20	PN 25	PN 40	8.0-16 BAR	1-2992656
	1 to 15	DN25	PN 25	PN 40	0.4-1.2 BAR	1-2992658
	1 to 15	DN25	PN 25	PN 40	1.0-2.5 BAR	1-2992658
	1 to 15	DN25	PN 25	PN 40	2.0-5.0 BAR	1-2992658
	1 to 15	DN25	PN 25	PN 40	4.0-10 BAR	1-2992660
	1 to 15	DN25	PN 25	PN 40	8.0-16 BAR	1-2992660
	1 to 15	DN32	PN 25	PN 40	0.4-1.2 BAR	1-2992662
	1 to 15	DN32	PN 25	PN 40	1.0-2.5 BAR	1-2992662
	1 to 15	DN32	PN 25	PN 40	2.0-5.0 BAR	1-2992662
	1 to 15	DN32	PN 25	PN 40	4.0-10 BAR	1-2992664
	1 to 15	DN32	PN 25	PN 40	8.0-16 BAR	1-2992664
	1 to 15	DN40	PN 25	PN 40	0.4-1.2 BAR	1-2992666
	1 to 15	DN40	PN 25	PN 40	1.0-2.5 BAR	1-2992666
	1 to 15	DN40	PN 25	PN 40	2.0-5.0 BAR	1-2992666
	1 to 15	DN40	PN 25	PN 40	4.0-10 BAR	1-2992668
	1 to 15	DN40	PN 25	PN 40	8.0-16 BAR	1-2992668

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Pressure Reducing**S-3.9.08-A**

Valves type G1PR (PN 25) and H1PR (PN40), DN 15-80 mm

	Size	PN	PN	Range	Item No.
1 to 15	DN50	PN 25	PN 40	0.4-1.2 BAR	1-2992670
1 to 15	DN50	PN 25	PN 40	1.0-2.5 BAR	1-2992670
1 to 15	DN50	PN 25	PN 40	2.0-5.0 BAR	1-2992670
1 to 15	DN50	PN 25	PN 40	4.0-10 BAR	1-2992672
1 to 15	DN50	PN 25	PN 40	8.0-16 BAR	1-2992672
1 to 15	DN65	PN 25	PN 40	0.4-1.2 BAR	1-2992674
1 to 15	DN65	PN 25	PN 40	1.0-2.5 BAR	1-2992674
1 to 15	DN65	PN 25	PN 40	2.0-5.0 BAR	1-2992674
1 to 15	DN65	PN 25	PN 40	4.0-10 BAR	1-2992676
1 to 15	DN65	PN 25	PN 40	8.0-16 BAR	1-2992676
1 to 15	DN80	PN 25	PN 40	0.4-1.2 BAR	1-2992678
1 to 15	DN80	PN 25	PN 40	1.0-2.5 BAR	1-2992678
1 to 15	DN80	PN 25	PN 40	2.0-5.0 BAR	1-2992678
1 to 15	DN80	PN 25	PN 40	4.0-10 BAR	1-2992680
1 to 15	DN80	PN 25	PN 40	8.0-16 BAR	1-2992680

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Pressure Reducing**S-3.9.08-A**

Valves type G1PR (PN 25) and H1PR (PN40), DN 15-80 mm

Trim set		Size	PN	PN	Range	Item No.
components pos.	1 to 19	DN15	PN 25	PN 40	0.4-1.2 BAR	1-2992651
	1 to 19	DN15	PN 25	PN 40	1.0-2.5 BAR	1-2992651
	1 to 19	DN15	PN 25	PN 40	2.0-5.0 BAR	1-2992651
	1 to 19	DN15	PN 25	PN 40	4.0-10 BAR	1-2992653
	1 to 19	DN15	PN 25	PN 40	8.0-16 BAR	1-2992653
	1 to 19	DN20	PN 25	PN 40	0.4-1.2 BAR	1-2992655
	1 to 19	DN20	PN 25	PN 40	1.0-2.5 BAR	1-2992655
	1 to 19	DN20	PN 25	PN 40	2.0-5.0 BAR	1-2992655
	1 to 19	DN20	PN 25	PN 40	4.0-10 BAR	1-2992657
	1 to 19	DN20	PN 25	PN 40	8.0-16 BAR	1-2992657
	1 to 19	DN25	PN 25	PN 40	0.4-1.2 BAR	1-2992659
	1 to 19	DN25	PN 25	PN 40	1.0-2.5 BAR	1-2992659
	1 to 19	DN25	PN 25	PN 40	2.0-5.0 BAR	1-2992659
	1 to 19	DN25	PN 25	PN 40	4.0-10 BAR	1-2992661
	1 to 19	DN25	PN 25	PN 40	8.0-16 BAR	1-2992661
	1 to 19	DN32	PN 25	PN 40	0.4-1.2 BAR	1-2992663
	1 to 19	DN32	PN 25	PN 40	1.0-2.5 BAR	1-2992663
	1 to 19	DN32	PN 25	PN 40	2.0-5.0 BAR	1-2992663
	1 to 19	DN32	PN 25	PN 40	4.0-10 BAR	1-2992665
	1 to 19	DN32	PN 25	PN 40	8.0-16 BAR	1-2992665
	1 to 19	DN40	PN 25	PN 40	0.4-1.2 BAR	1-2992667
	1 to 19	DN40	PN 25	PN 40	1.0-2.5 BAR	1-2992667
	1 to 19	DN40	PN 25	PN 40	2.0-5.0 BAR	1-2992667
	1 to 19	DN40	PN 25	PN 40	4.0-10 BAR	1-2992669
	1 to 19	DN40	PN 25	PN 40	8.0-16 BAR	1-2992669

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Pressure Reducing**S-3.9.08-A**

Valves type G1PR (PN 25) and H1PR (PN40), DN 15-80 mm

	Size	PN	PN	Range	Item No.
1 to 19	DN50	PN 25	PN 40	0.4-1.2 BAR	1-2992671
1 to 19	DN50	PN 25	PN 40	1.0-2.5 BAR	1-2992671
1 to 19	DN50	PN 25	PN 40	2.0-5.0 BAR	1-2992671
1 to 19	DN50	PN 25	PN 40	4.0-10 BAR	1-2992673
1 to 19	DN50	PN 25	PN 40	8.0-16 BAR	1-2992673
1 to 19	DN65	PN 25	PN 40	0.4-1.2 BAR	1-2992675
1 to 19	DN65	PN 25	PN 40	1.0-2.5 BAR	1-2992675
1 to 19	DN65	PN 25	PN 40	2.0-5.0 BAR	1-2992675
1 to 19	DN65	PN 25	PN 40	4.0-10 BAR	1-2992677
1 to 19	DN65	PN 25	PN 40	8.0-16 BAR	1-2992677
1 to 19	DN80	PN 25	PN 40	0.4-1.2 BAR	1-2992679
1 to 19	DN80	PN 25	PN 40	1.0-2.5 BAR	1-2992679
1 to 19	DN80	PN 25	PN 40	2.0-5.0 BAR	1-2992679
1 to 19	DN80	PN 25	PN 40	4.0-10 BAR	1-2992681
1 to 19	DN80	PN 25	PN 40	8.0-16 BAR	1-2992681

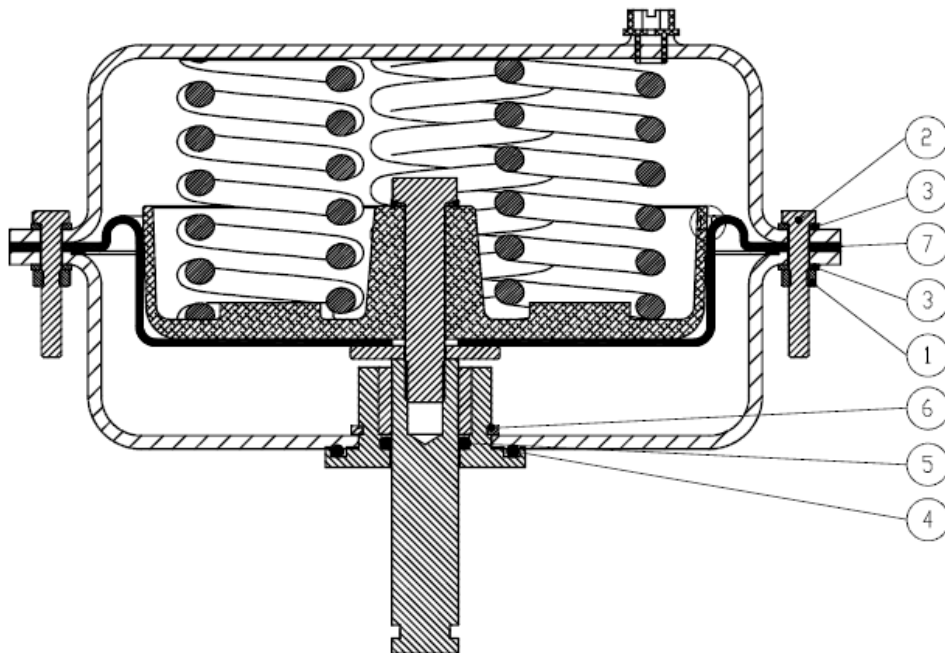
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SPARE PARTS
Pneumatic Actuator
Series S16 to S 32

S-6.5.01-A



Pos.	Component
------	-----------

1	Bolt
2	Screw
3	Washer
4	O-ring
5	O-ring
6	Circlip
7	Diaphragm

Order Information:

Packing set	Pos.	Type	Item No.
components pos.	1 to 7	S16	1-2992740
	1 to 7	S25	1-2992741
	1 to 7	S34	1-2992742
Trim set	Pos.	Valve	Item No.
components pos.	1 to 11	80 M-G3F	1-2991640
	1 to 11	100 M-G3F	1-2991643
	1 to 12	125 M-G3F	1-2991645
	1 to 12	150 M-G3F	1-2991649