

Clorius Controls

# Spare Parts Drawings

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Reliable Industrial Controls Since 1902



## **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:**

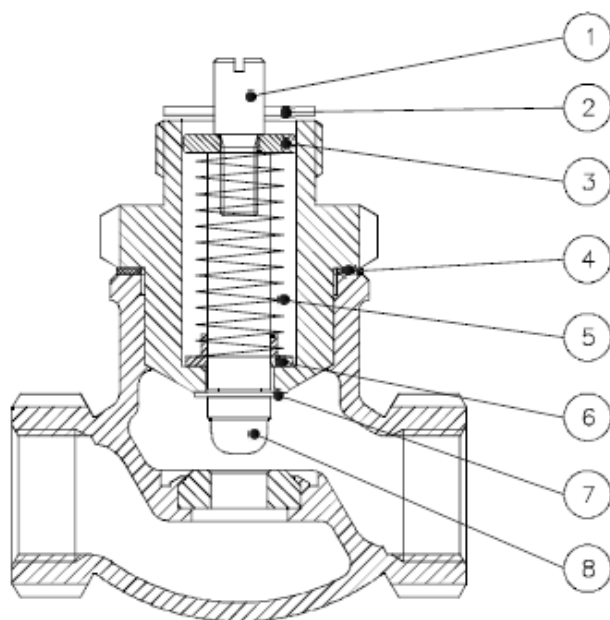
It is recommended to conduct a seat leakage test after successful repair of control valves. The max. allowed leakage rate for 3-way valves is 0.5% of Kv100.

## 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.  |
|------------------------|---------------|-----------|-----------|
| <b>components pos.</b> | <b>1 to 8</b> | 15/6 L1S  | 1-2990110 |
|                        | <b>1 to 8</b> | 15/9 L1S  | 1-2990111 |
|                        | <b>1 to 7</b> | 15/12 L1S | 1-2990112 |
|                        | <b>1 to 7</b> | 15 L1S    | 1-2990113 |
|                        | <b>1 to 7</b> | 20 L1S    | 1-2990121 |

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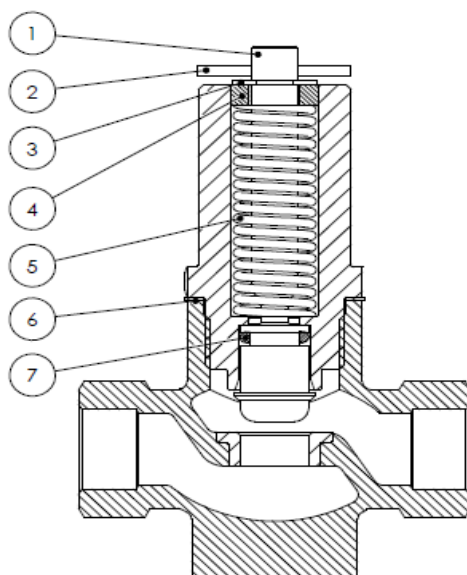
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## L1SB SPARE PARTS

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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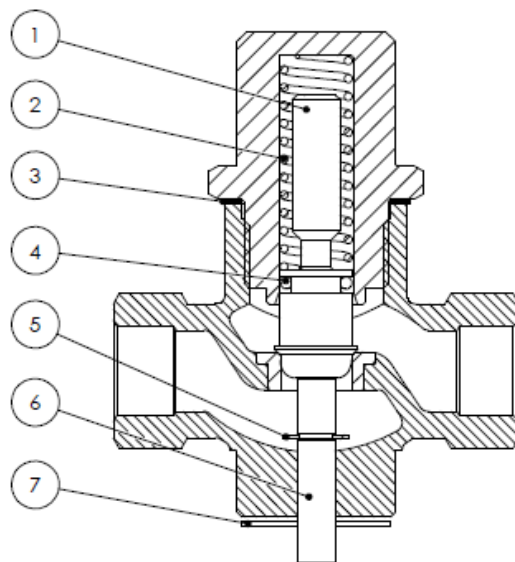
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## L1SBR SPARE PARTS

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.  |
|------------------------|---------------|----------|-----------|
| <b>components pos.</b> | <b>1 to 7</b> | 15 L1SBR | 1-2990125 |
|                        | <b>1 to 7</b> | 20 L1SBR | 1-2990126 |
|                        | <b>1 to 7</b> | 25 L1SBR | 1-2990127 |
|                        | <b>1 to 7</b> | 32 L1SBR | 1-2990128 |

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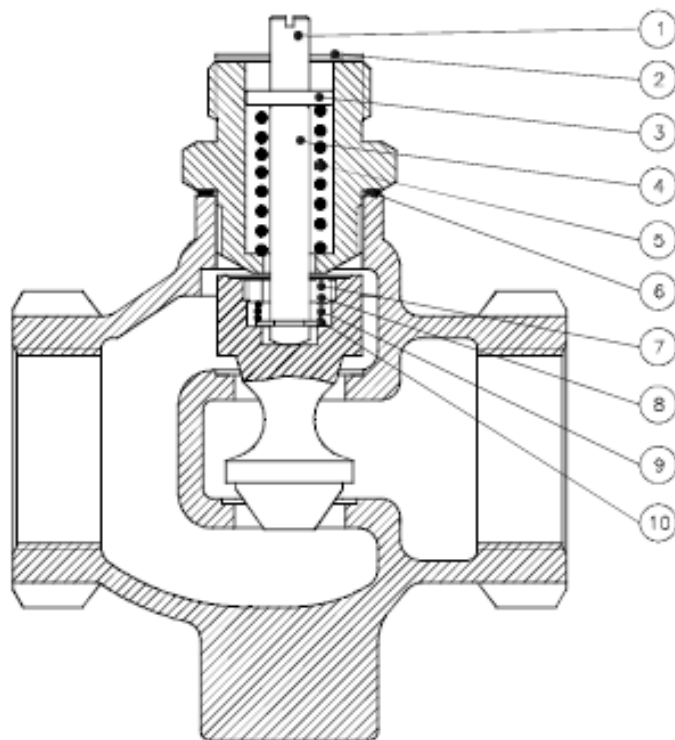
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## L2S SPARE PARTS

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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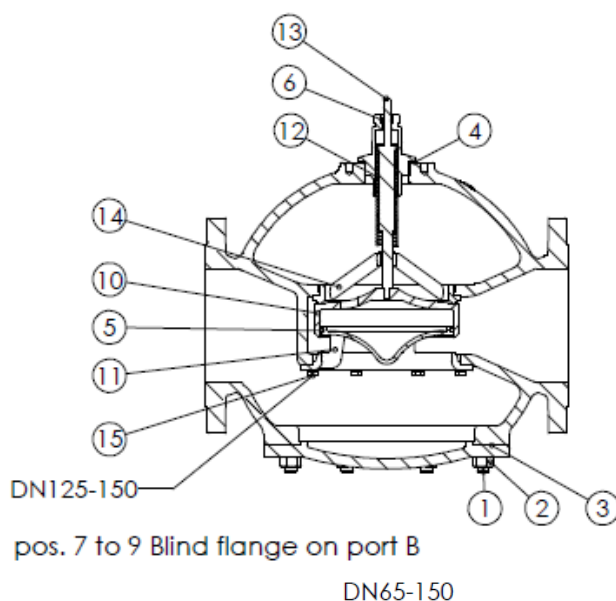
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## L2F SPARE PARTS

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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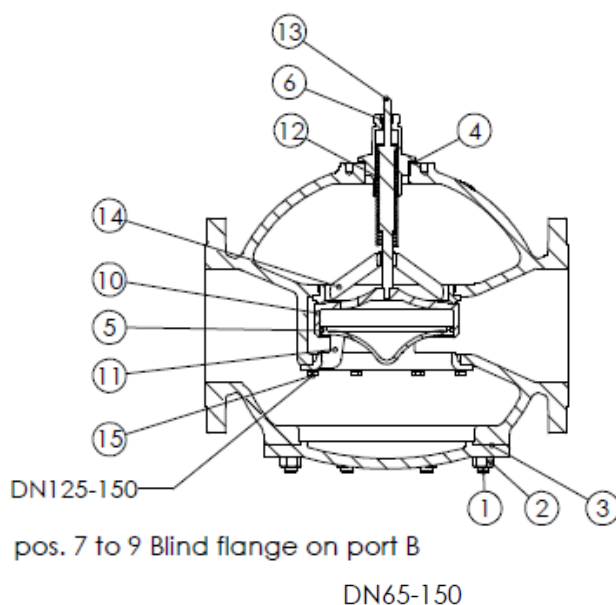
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## L2FR SPARE PARTS

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

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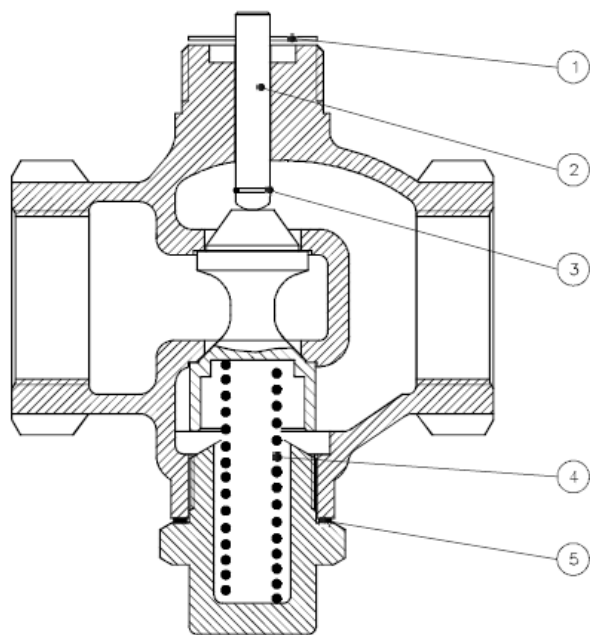


## L2SR SPARE PARTS

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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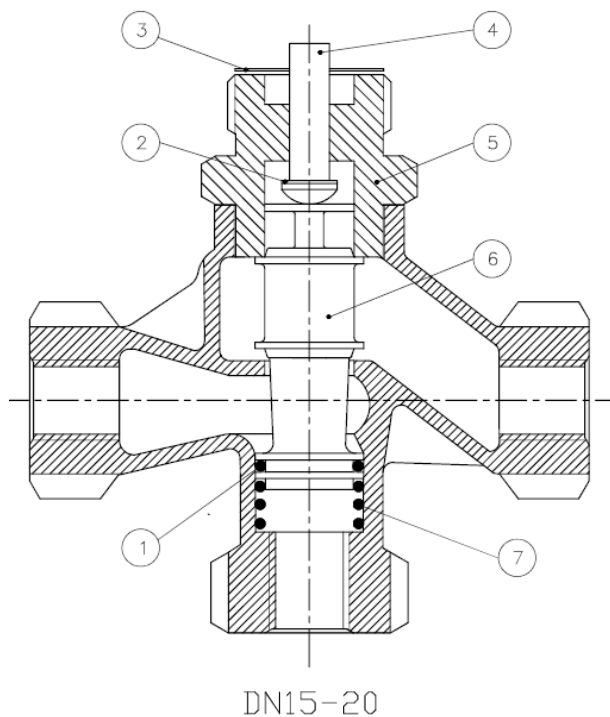
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## L3S SPARE PARTS

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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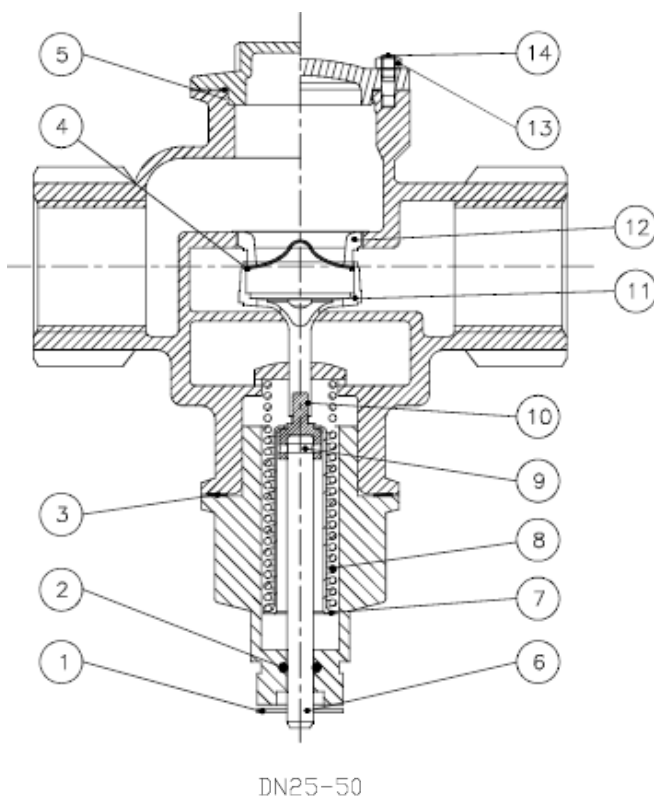
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## L3S SPARE PARTS

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

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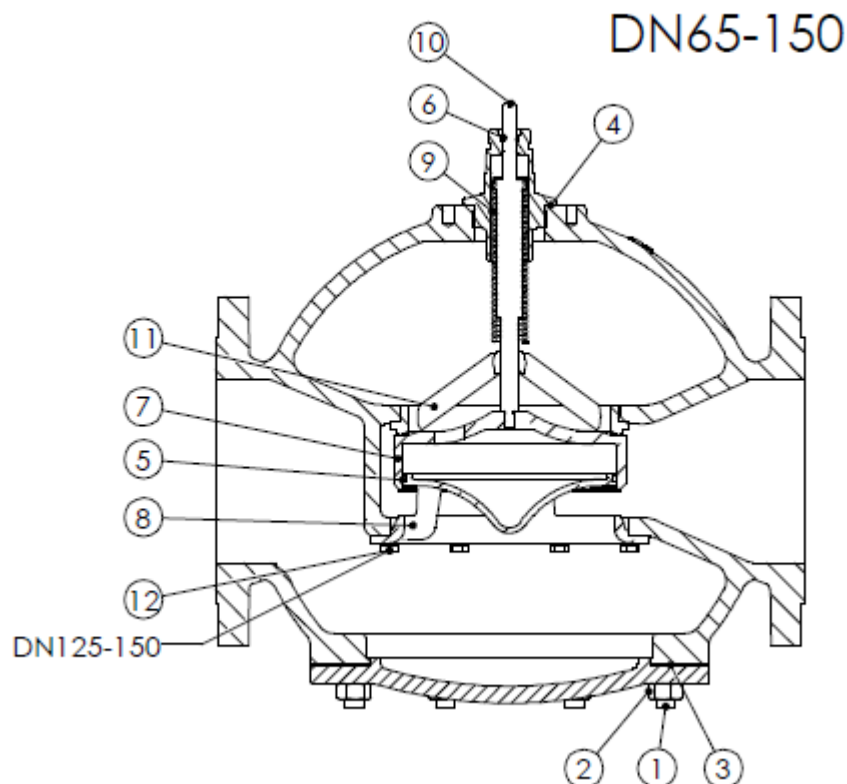
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## L3F SPARE PARTS

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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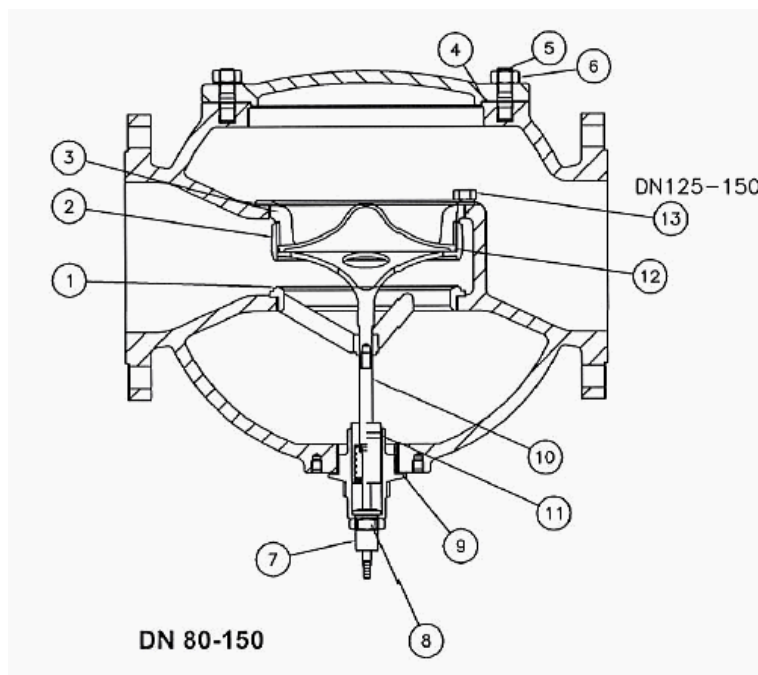
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## L3FM SPARE PARTS

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.  |
|------------------------|--------------------|----------|-----------|
| <b>components pos.</b> | <b>4 to 7;9;12</b> | 80 L3FM  | 1-2991471 |
|                        | <b>4 to 7;9;12</b> | 100 L3FM | 1-2991473 |
|                        | <b>4 to 7;9;12</b> | 125 L3FM | 1-2991475 |
|                        | <b>4 to 7;9;12</b> | 150 L3FM | 1-2991477 |
|                        | <b>4 to 7;9;12</b> | 200 L3FM | 1-2991500 |

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

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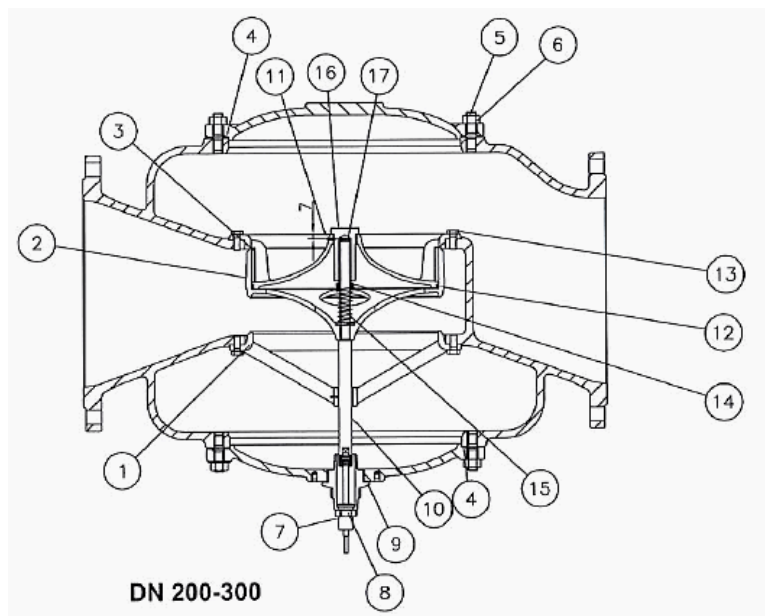
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## L3FM SPARE PARTS

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 | Spring 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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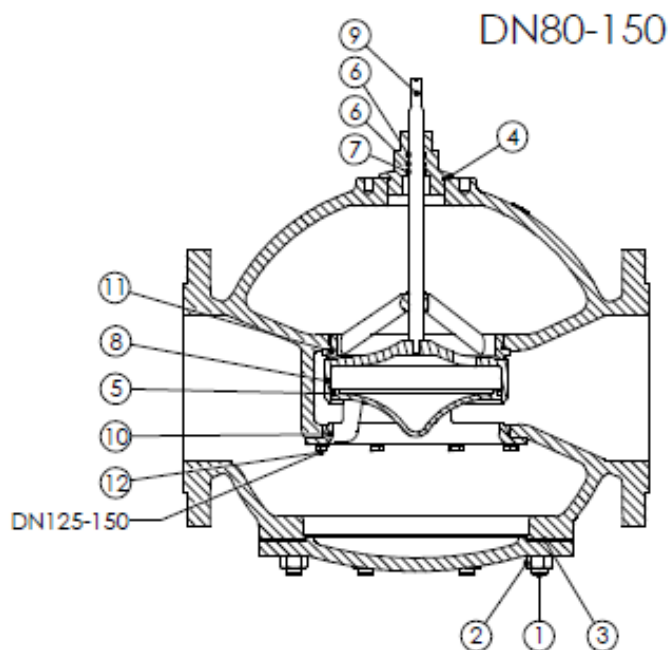
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## L3FA SPARE PARTS

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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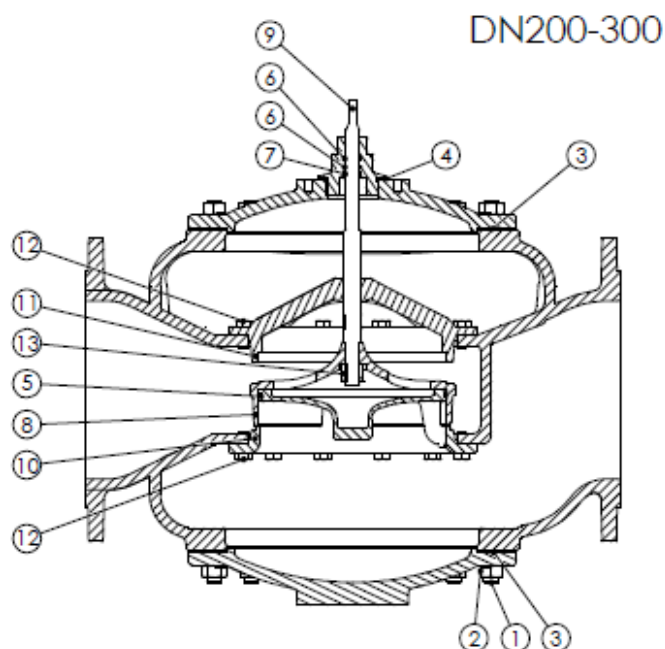
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## L3FA SPARE PARTS

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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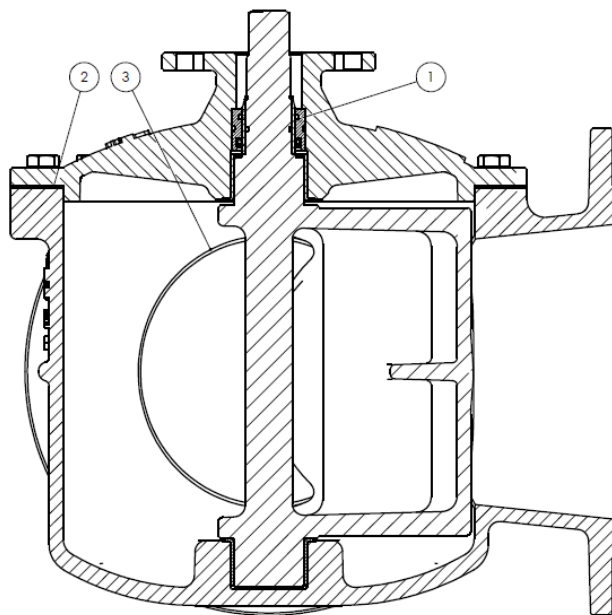


## L3FM-T SPARE PARTS

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.         |
|------------------------|---------------|---------------------|------------------|
| <b>components pos.</b> | <b>1 to 3</b> | <b>100 L3FM -TL</b> | <b>1-2991510</b> |
|                        | <b>1 to 3</b> | <b>125 L3FM -TL</b> | <b>1-2991511</b> |
|                        | <b>1 to 3</b> | <b>150 L3FM -TL</b> | <b>1-2991512</b> |
|                        | <b>1 to 3</b> | <b>200 L3FM -TL</b> | <b>1-2991513</b> |
|                        | <b>1 to 3</b> | <b>250 L3FM -TL</b> | <b>1-2991514</b> |
|                        | <b>1 to 3</b> | <b>300 L3FM -TL</b> | <b>1-2991515</b> |
|                        | <b>1 to 3</b> | <b>350 L3FM -TL</b> | <b>1-2991516</b> |
|                        | <b>1 to 3</b> | <b>400 L3FM -TL</b> | <b>1-2991517</b> |
|                        | <b>1 to 3</b> | <b>450 L3FM -TL</b> | <b>1-2991518</b> |
|                        | <b>1 to 3</b> | <b>500 L3FM -TL</b> | <b>1-2991519</b> |

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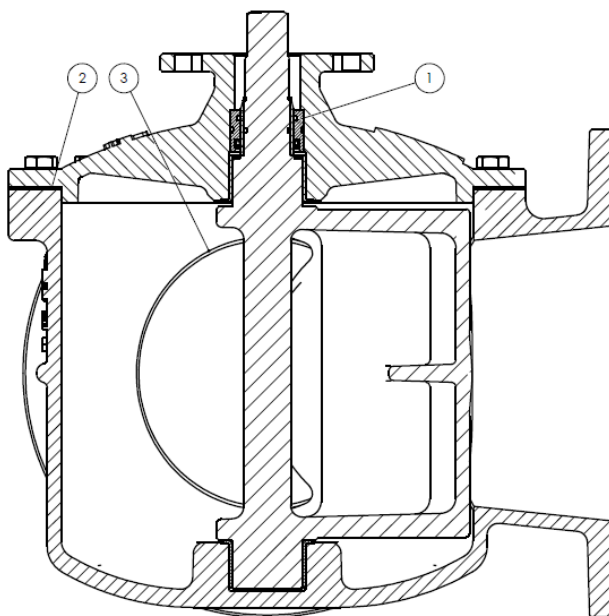
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CONTROLS

## 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.         |
|------------------------|---------------|---------------------|------------------|
| <b>components pos.</b> | <b>1 to 3</b> | <b>100 L3FM -TR</b> | <b>1-2991510</b> |
|                        | <b>1 to 3</b> | <b>125 L3FM -TR</b> | <b>1-2991511</b> |
|                        | <b>1 to 3</b> | <b>150 L3FM -TR</b> | <b>1-2991512</b> |
|                        | <b>1 to 3</b> | <b>200 L3FM -TR</b> | <b>1-2991513</b> |
|                        | <b>1 to 3</b> | <b>250 L3FM -TR</b> | <b>1-2991514</b> |
|                        | <b>1 to 3</b> | <b>300 L3FM -TR</b> | <b>1-2991515</b> |
|                        | <b>1 to 3</b> | <b>350 L3FM -TR</b> | <b>1-2991516</b> |
|                        | <b>1 to 3</b> | <b>400 L3FM -TR</b> | <b>1-2991517</b> |
|                        | <b>1 to 3</b> | <b>450 L3FM -TR</b> | <b>1-2991518</b> |
|                        | <b>1 to 3</b> | <b>500 L3FM -TR</b> | <b>1-2991519</b> |

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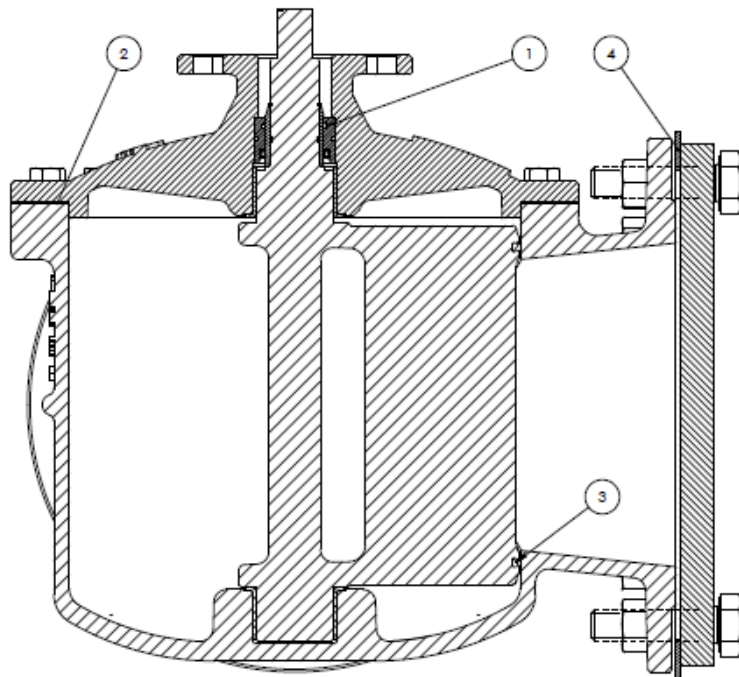
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CONTROLS

## L2FM-T SPARE PARTS

S-2.2.11-A

2-way Control Valves

Gun metal, 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.         |
|-------------------|---------------|--------------------|------------------|
| <b>components</b> | <b>1 to 4</b> | <b>100 L2FM -T</b> | <b>1-2991540</b> |
| <b>pos.</b>       | <b>1 to 4</b> | <b>125 L2FM -T</b> | <b>1-2991541</b> |
|                   | <b>1 to 4</b> | <b>150 L2FM -T</b> | <b>1-2991542</b> |
|                   | <b>1 to 4</b> | <b>200 L2FM -T</b> | <b>1-2991543</b> |
|                   | <b>1 to 4</b> | <b>250 L2FM -T</b> | <b>1-2991544</b> |
|                   | <b>1 to 4</b> | <b>300 L2FM -T</b> | <b>1-2991545</b> |
|                   | <b>1 to 4</b> | <b>350 L2FM -T</b> | <b>1-2991546</b> |
|                   | <b>1 to 4</b> | <b>400 L2FM -T</b> | <b>1-2991547</b> |
|                   | <b>1 to 4</b> | <b>450 L2FM -T</b> | <b>1-2991548</b> |
|                   | <b>1 to 4</b> | <b>500 L2FM -T</b> | <b>1-2991549</b> |

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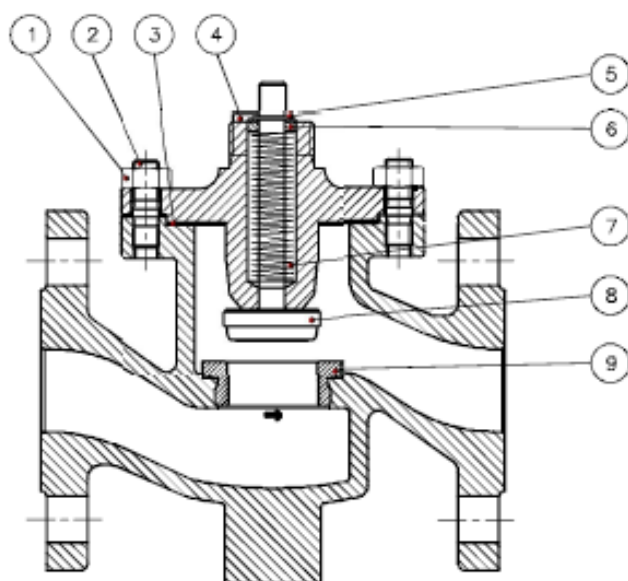
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CONTROLS

## 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<br>pos. | 1 to 4 | 15/4-15 M1F  | 1-2991209 | components<br>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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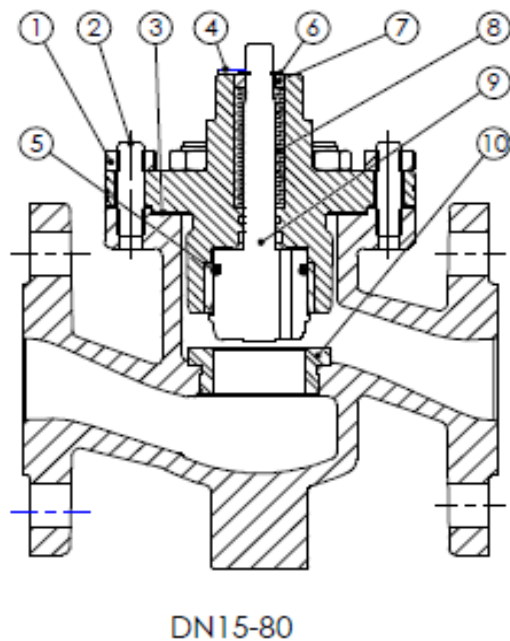
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## M1FBN SPARE PARTS

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<br>pos. | 1 to 5 | 15 M1FBN | 1-2992335 | components<br>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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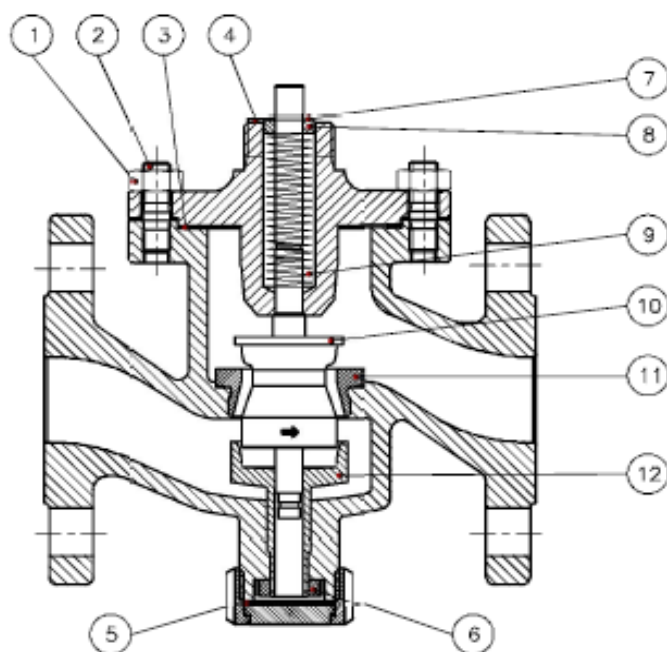
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CONTROLS

## 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<br>pos. | 1 to 5 | 20 M2F | 1-2991345 | components<br>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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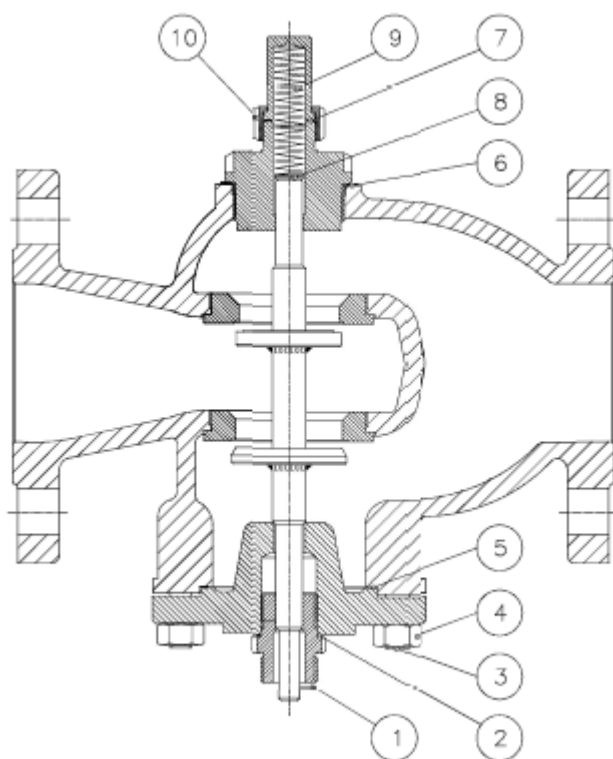
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CONTROLS

## 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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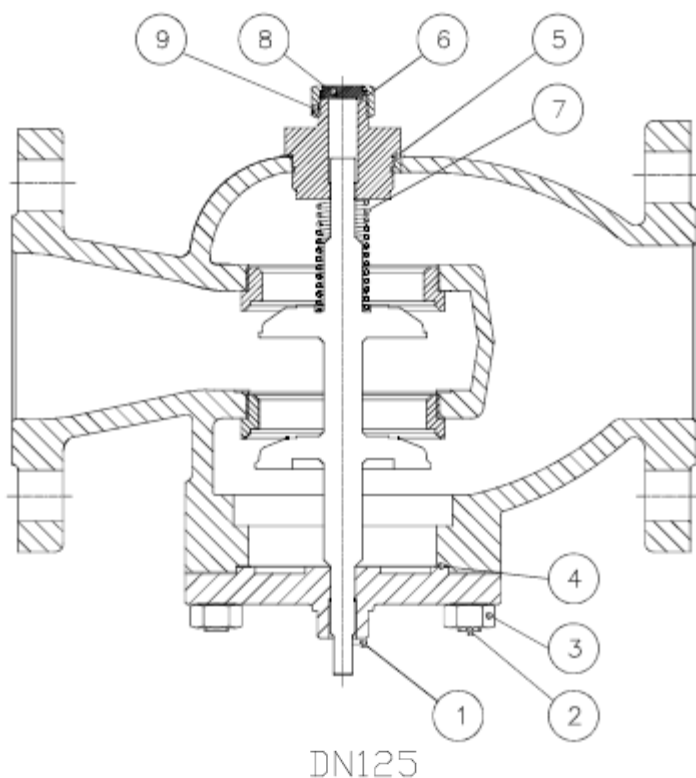
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CONTROLS

## 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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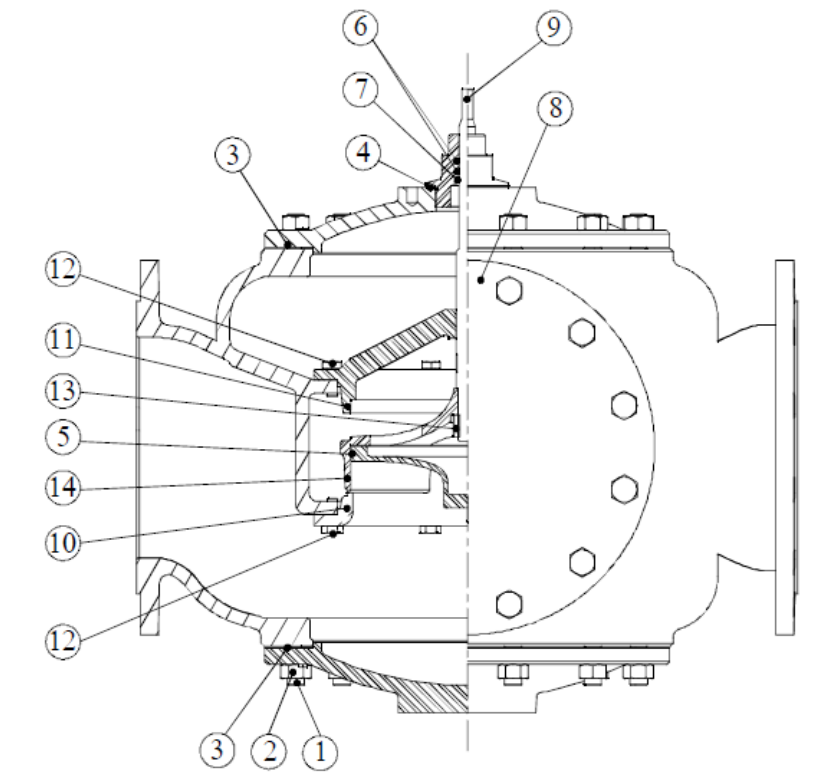


## M2FA SPARE PARTS

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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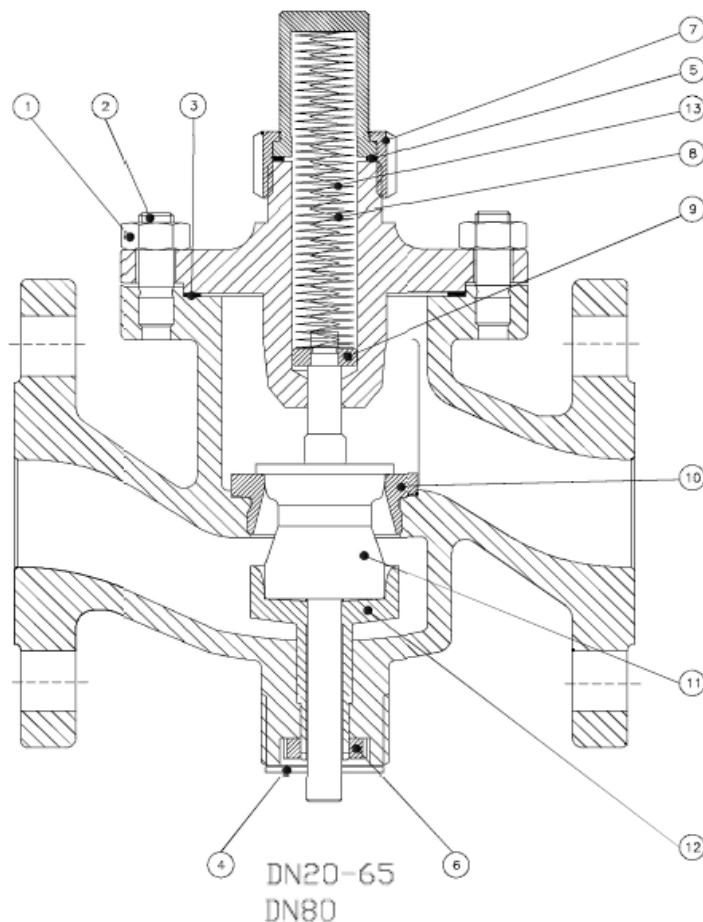
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CONTROLS

## 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<br>pos. | <b>1 to 5</b> | 20 M2FR | 1-2991345 | components<br>pos. | <b>1 to 12</b> | 20 M2FR | 1-2990806 |
|                    | <b>1 to 5</b> | 25 M2FR | 1-2991349 |                    | <b>1 to 12</b> | 25 M2FR | 1-2990808 |
|                    | <b>1 to 5</b> | 32 M2FR | 1-2991352 |                    | <b>1 to 12</b> | 32 M2FR | 1-2990810 |
|                    | <b>1 to 5</b> | 40 M2FR | 1-2991355 |                    | <b>1 to 12</b> | 40 M2FR | 1-2990938 |
|                    | <b>1 to 5</b> | 50 M2FR | 1-2991360 |                    | <b>1 to 12</b> | 50 M2FR | 1-2990911 |
|                    | <b>1 to 5</b> | 65 M2FR | 1-2991363 |                    | <b>1 to 13</b> | 65 M2FR | 1-2991427 |
|                    | <b>1 to 5</b> | 80 M2FR | 1-2991367 |                    | <b>1 to 13</b> | 80 M2FR | 1-2991429 |

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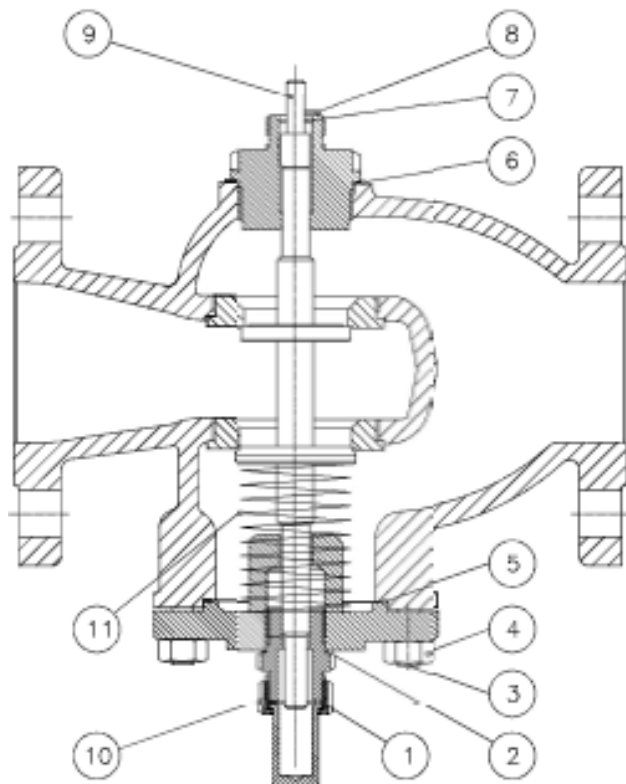
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CONTROLS

## 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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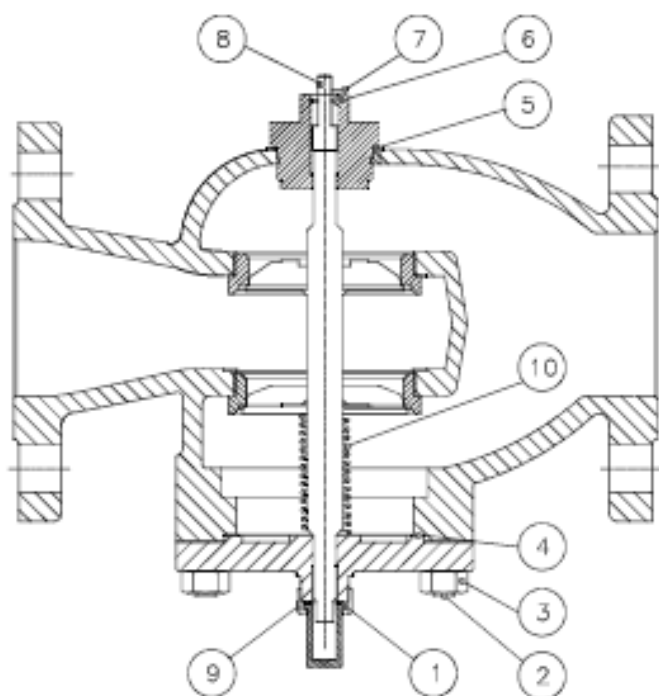
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CONTROLS

## 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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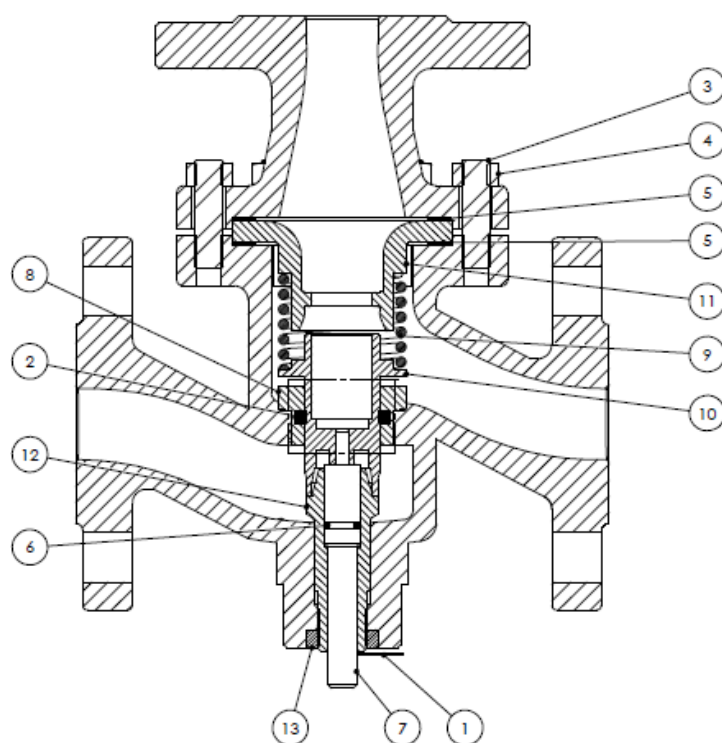
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CONTROLS

## 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.  |
|------------------------|---------------|--------|-----------|------------------------|----------------|--------|-----------|
| <b>components pos.</b> | <b>1 to 6</b> | 20 M3F | 1-2990731 | <b>components pos.</b> | <b>1 to 13</b> | 20 M3F | 1-2990766 |
|                        | <b>1 to 6</b> | 25 M3F | 1-2990732 |                        | <b>1 to 13</b> | 25 M3F | 1-2990767 |
|                        | <b>1 to 6</b> | 32 M3F | 1-2990733 |                        | <b>1 to 13</b> | 32 M3F | 1-2990768 |
|                        | <b>1 to 6</b> | 40 M3F | 1-2990734 |                        | <b>1 to 13</b> | 40 M3F | 1-2990769 |
|                        | <b>1 to 6</b> | 50 M3F | 1-2990735 |                        | <b>1 to 13</b> | 50 M3F | 1-2990770 |
|                        | <b>1 to 6</b> | 65 M3F | 1-2990736 |                        | <b>1 to 13</b> | 65 M3F | 1-2990771 |

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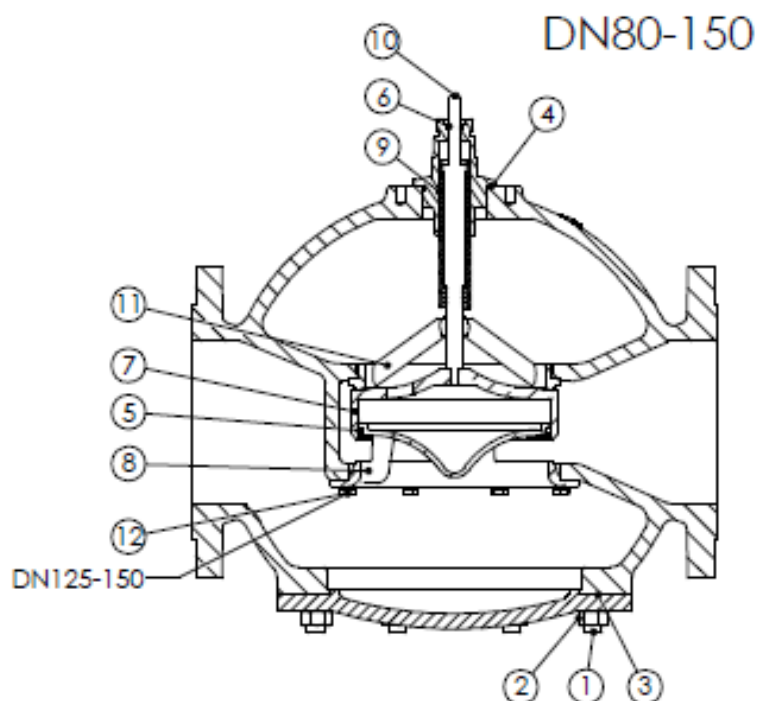
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CONTROLS

## 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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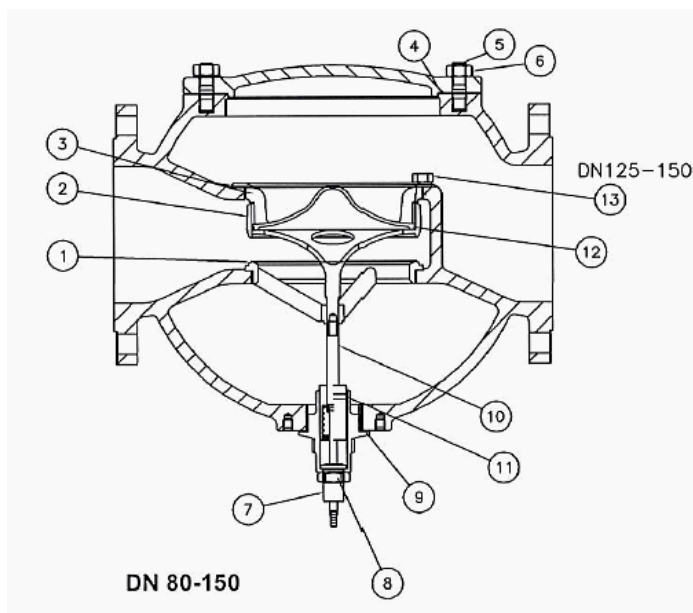
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CONTROLS

## 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.  |
|------------------------|--------------------|--------------|-----------|
| <b>components pos.</b> | <b>4 to 7;9;12</b> | 80 M3FM      | 1-2991482 |
|                        | <b>4 to 7;9;12</b> | 100 M3FM     | 1-2991485 |
|                        | <b>4 to 7;9;12</b> | 125 M3FM     | 1-2991487 |
|                        | <b>4 to 7;9;12</b> | 150 M3FM     | 1-2991492 |
|                        | <b>4 to 7;9;12</b> | 200/175 M3FM | 1-2991495 |
|                        | <b>4 to 7;9;12</b> | 200 M3FM     | 1-2991495 |

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

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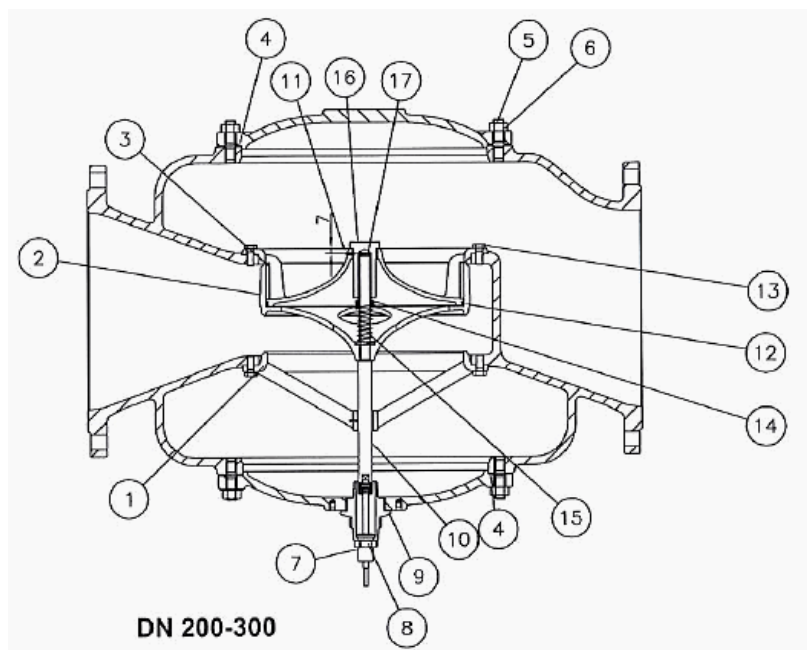
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CONTROLS

## 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   | Sprong 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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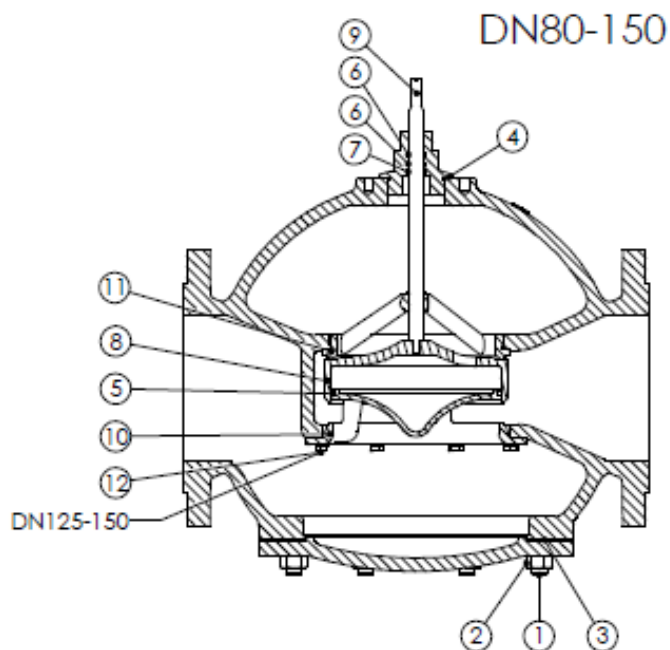


## M3FA SPARE PARTS

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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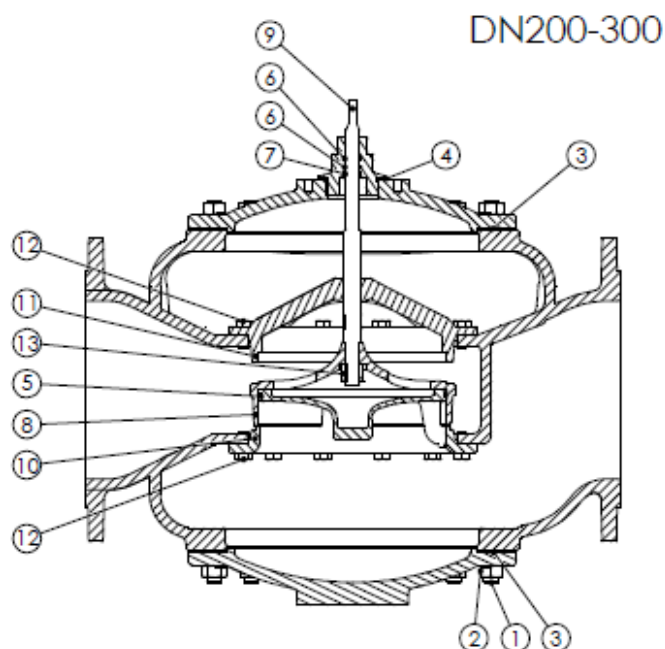
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CONTROLS

## 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  | 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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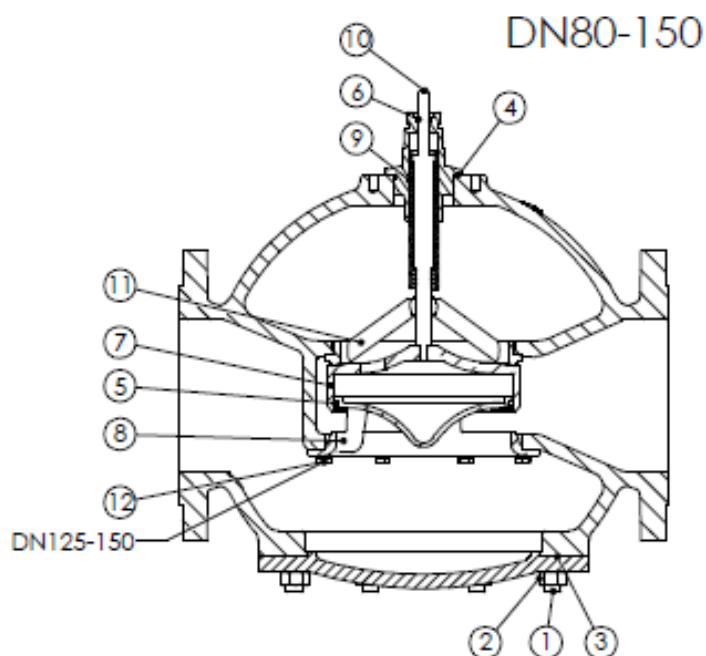
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CONTROLS

## 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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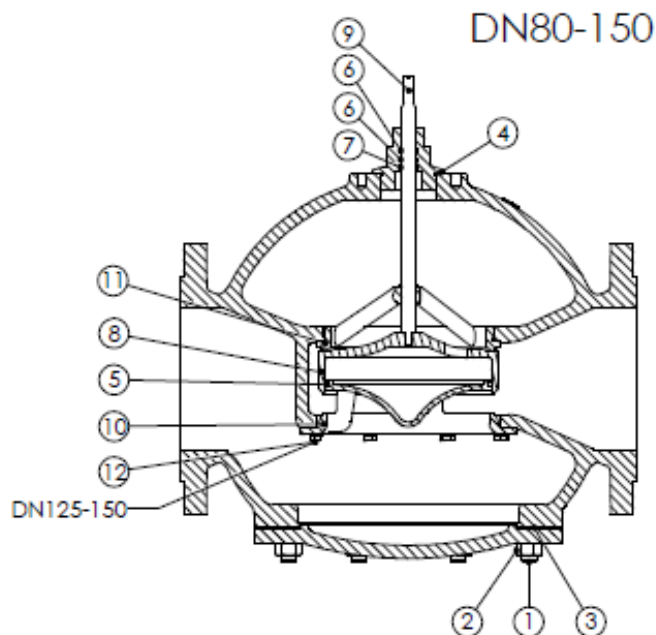
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CONTROLS

**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  | 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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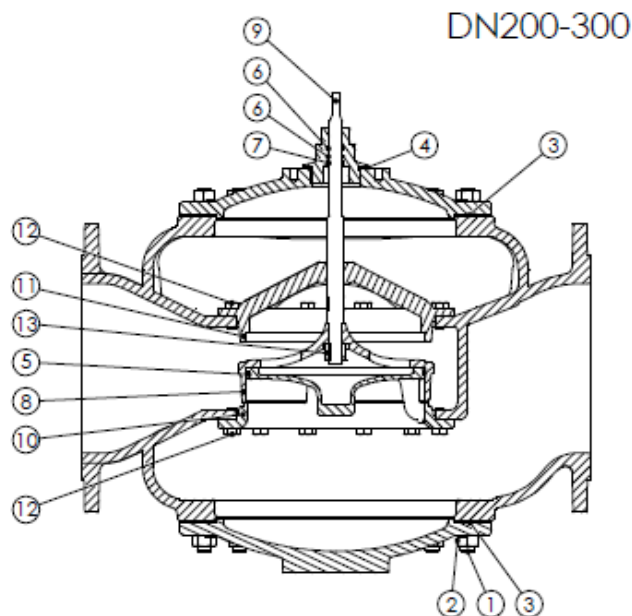
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E-mail: [mail@cloriuscontrols.com](mailto:mail@cloriuscontrols.com)Web: [www.cloriuscontrols.com](http://www.cloriuscontrols.com)The logo for Clorius Controls, featuring the word 'Clorius' in a large, stylized script font, with the word 'CONTROLS' in a smaller, bold, sans-serif font directly beneath it.

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

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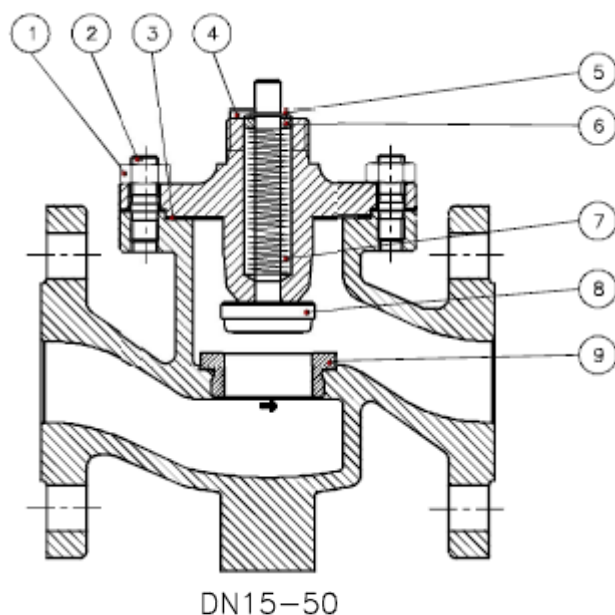
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## H1F SPARE PARTS

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.  |
|-----------------------------|---------------|--------------|-----------|--------------------------|---------------|-----------|-----------|
|                             | <b>1 to 4</b> | 15/4-15 H1F  | 1-2991209 |                          | <b>1 to 9</b> | 15/4 H1F  | 1-2991271 |
|                             | <b>1 to 4</b> | 20/9-20 H1F  | 1-2991217 |                          | <b>1 to 9</b> | 15/6 H1F  | 1-2991273 |
|                             | <b>1 to 4</b> | 25/20-25 H1F | 1-2991225 |                          | <b>1 to 9</b> | 15/9 H1F  | 1-2991275 |
|                             | <b>1 to 4</b> | 32/25-32 H1F | 1-2991238 |                          | <b>1 to 9</b> | 15/12 H1F | 1-2991278 |
|                             | <b>1 to 4</b> | 40/32-40 H1F | 1-2991249 |                          | <b>1 to 9</b> | 15 H1F    | 1-2991281 |
|                             | <b>1 to 4</b> | 50/40-50 H1F | 1-2991268 |                          | <b>1 to 9</b> | 20/9 H1F  | 1-2991284 |
|                             |               |              |           |                          | <b>1 to 9</b> | 20 H1F    | 1-2991290 |
|                             |               |              |           |                          | <b>1 to 9</b> | 25 H1F    | 1-2991299 |
|                             |               |              |           |                          | <b>1 to 9</b> | 32H1F     | 1-2991314 |
|                             |               |              |           |                          | <b>1 to 9</b> | 40 H1F    | 1-2991330 |
|                             |               |              |           |                          | <b>1 to 9</b> | 50 H1F    | 1-2991341 |

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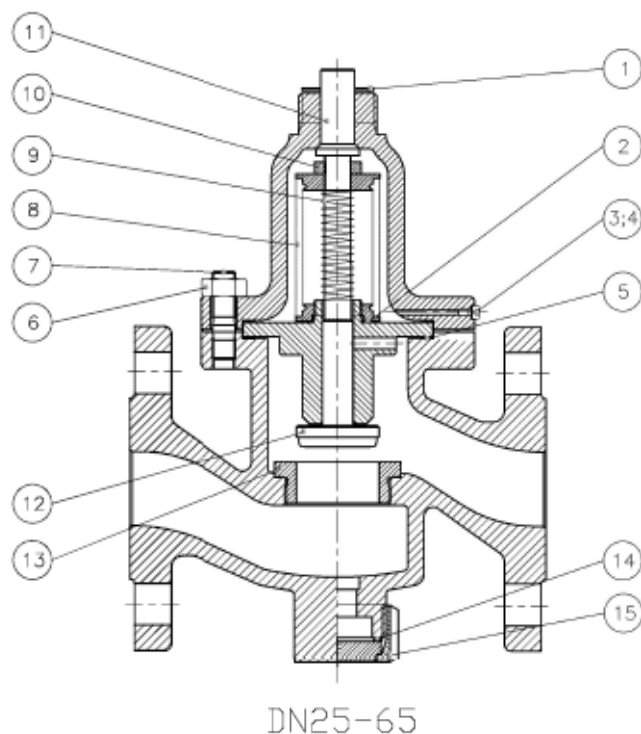
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CONTROLS

## 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 |

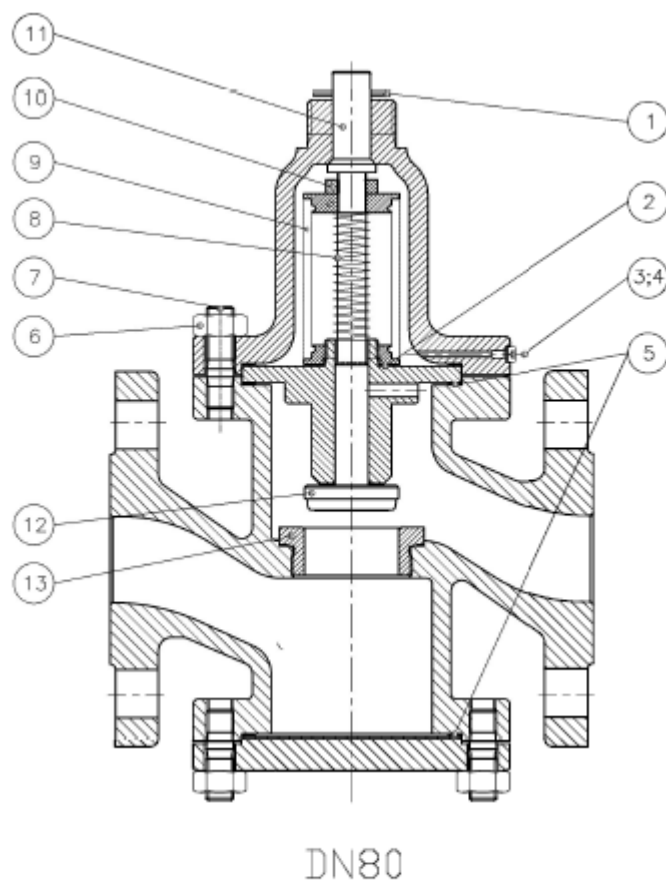
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**Clorius**  
CONTROLS

## 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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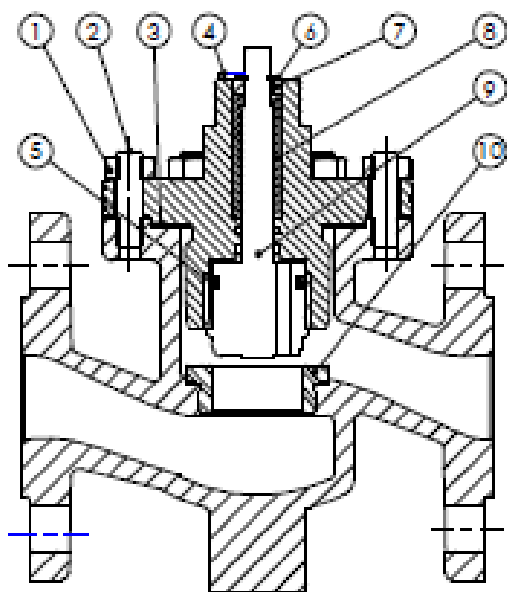
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CONTROLS



## 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<br>pos. | <b>1 to 5</b> | 15 H1FBN | 1-2992335 | components<br>pos. | <b>1 to 10</b> | 15 H1FBN | 1-2992345 |
|                    | <b>1 to 5</b> | 20 H1FBN | 1-2992336 |                    | <b>1 to 10</b> | 20 H1FBN | 1-2992346 |
|                    | <b>1 to 5</b> | 25 H1FBN | 1-2992337 |                    | <b>1 to 10</b> | 25 H1FBN | 1-2992347 |
|                    | <b>1 to 5</b> | 32 H1FBN | 1-2992338 |                    | <b>1 to 10</b> | 32 H1FBN | 1-2992348 |
|                    | <b>1 to 5</b> | 40 H1FBN | 1-2992339 |                    | <b>1 to 10</b> | 40 H1FBN | 1-2992349 |
|                    | <b>1 to 5</b> | 50 H1FBN | 1-2992340 |                    | <b>1 to 10</b> | 50 H1FBN | 1-2992350 |
|                    | <b>1 to 5</b> | 65 H1FBN | 1-2992341 |                    | <b>1 to 10</b> | 65 H1FBN | 1-2992351 |
|                    | <b>1 to 5</b> | 80 H1FBN | 1-2992342 |                    | <b>1 to 10</b> | 80 H1FBN | 1-2992352 |

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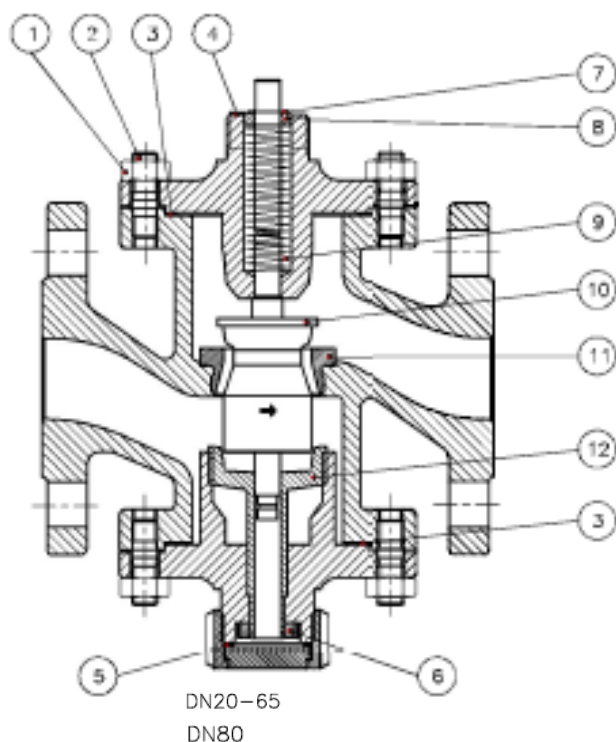
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CONTROLS

## 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<br>pos. | 1 to 5 | 20 H2F | 1-2991345 | components<br>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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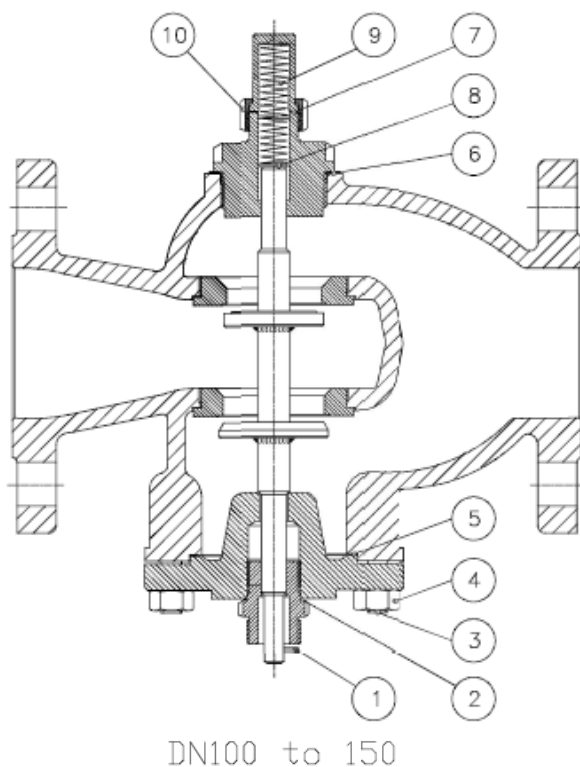
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CONTROLS

## 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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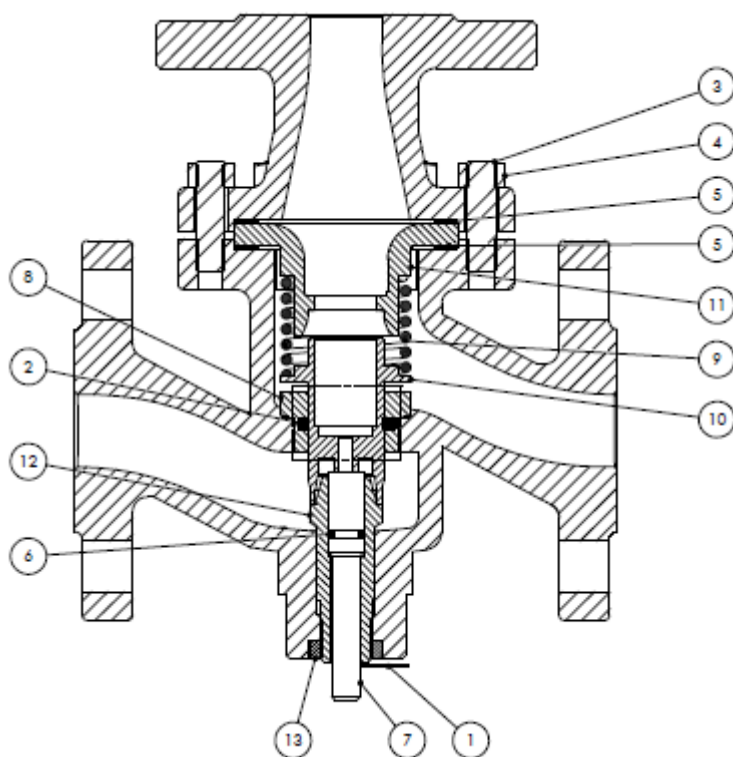
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CONTROLS

## 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<br>pos. | <b>1 to 6</b> | 20 H3F | 1-2990710 | components<br>pos. | <b>1 to 13</b>          | 20 H3F | 1-2990744 |
|                    | <b>1 to 5</b> | 25 H3F | 1-2990712 |                    | <b>1 to 5 ; 7 to 13</b> | 25 H3F | 1-2990746 |
|                    | <b>1 to 5</b> | 32 H3F | 1-2990715 |                    | <b>1 to 5 ; 7 to 13</b> | 32 H3F | 1-2990750 |
|                    | <b>1 to 5</b> | 40 H3F | 1-2990717 |                    | <b>1 to 5 ; 7 to 13</b> | 40 H3F | 1-2990752 |
|                    | <b>1 to 5</b> | 50 H3F | 1-2990719 |                    | <b>1 to 5 ; 7 to 13</b> | 50 H3F | 1-2990755 |
|                    | <b>1 to 5</b> | 65 H3F | 1-2990721 |                    | <b>1 to 5 ; 7 to 13</b> | 65 H3F | 1-2990758 |

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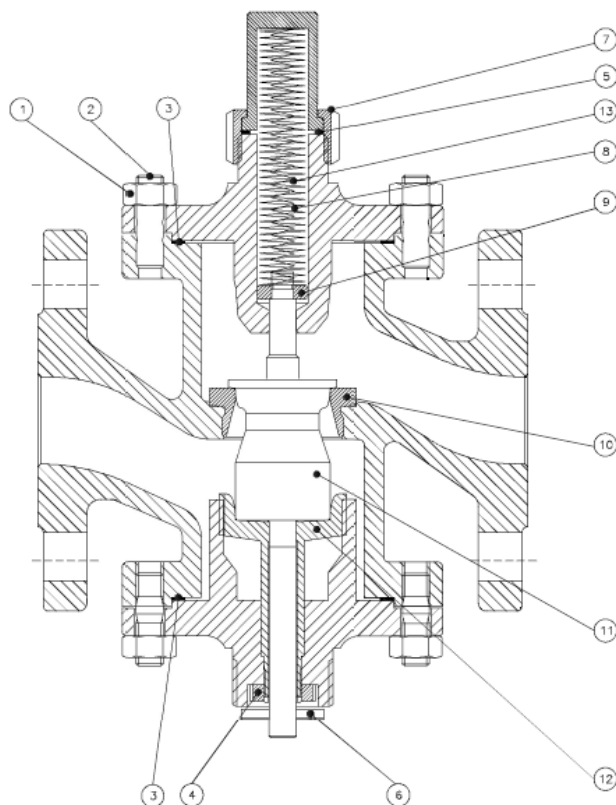
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CONTROLS

## 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.  |
|------------------------|---------------|---------|-----------|------------------------|----------------|---------|-----------|
| <b>components pos.</b> | <b>1 to 5</b> | 20 H2FR | 1-2991345 | <b>components pos.</b> | <b>1 to 12</b> | 20 H2FR | 1-2990806 |
|                        | <b>1 to 5</b> | 25 H2FR | 1-2991349 |                        | <b>1 to 12</b> | 25 H2FR | 1-2990808 |
|                        | <b>1 to 5</b> | 32 H2FR | 1-2991352 |                        | <b>1 to 12</b> | 32 H2FR | 1-2990810 |
|                        | <b>1 to 5</b> | 40 H2FR | 1-2991355 |                        | <b>1 to 12</b> | 40 H2FR | 1-2990938 |
|                        | <b>1 to 5</b> | 50 H2FR | 1-2991360 |                        | <b>1 to 12</b> | 50 H2FR | 1-2990911 |
|                        | <b>1 to 5</b> | 65 H2FR | 1-2991363 |                        | <b>1 to 13</b> | 65 H2FR | 1-2991427 |
|                        | <b>1 to 5</b> | 80 H2FR | 1-2991367 |                        | <b>1 to 13</b> | 80 H2FR | 1-2991431 |

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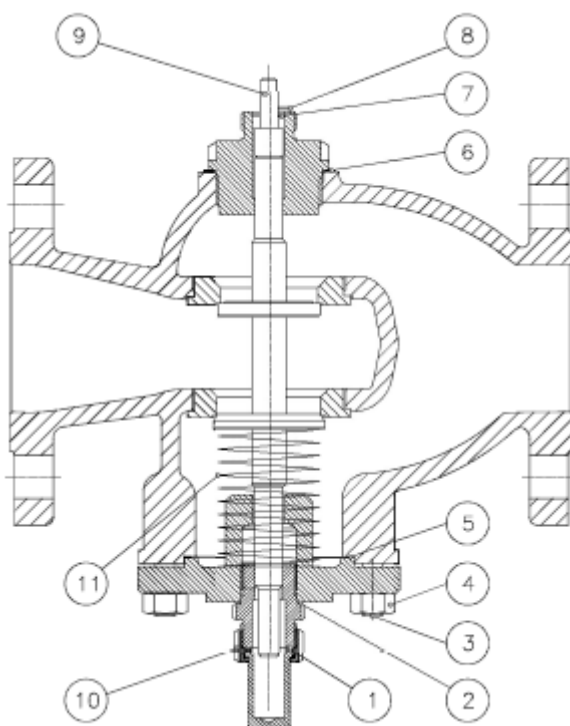
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CONTROLS

## 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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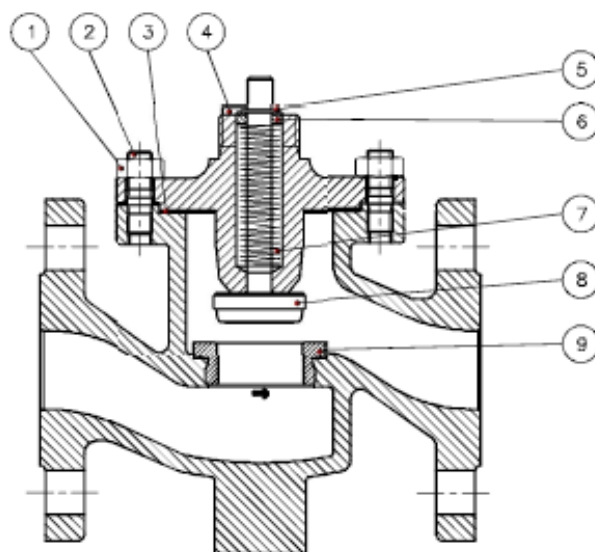
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CONTROLS

## 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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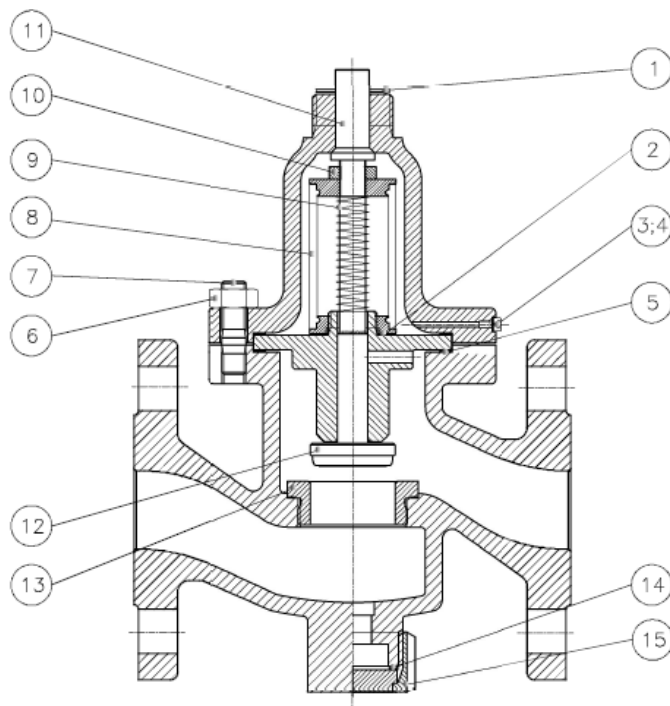
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## G1FB SPARE PARTS

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:

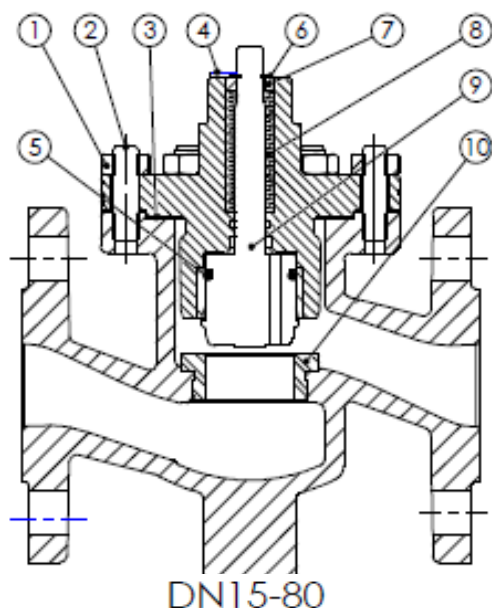
| Packing set        | Pos.       | Valve   | Item No.  | Trim Set           | Pos.    | Valve   | Item No.  |
|--------------------|------------|---------|-----------|--------------------|---------|---------|-----------|
| components<br>pos. | 1 to 7     | 25 G1FB | 1-2992310 | components<br>pos. | 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<br>pos. | 1 to 5 | 15 G1FBN | 1-2992335 | components<br>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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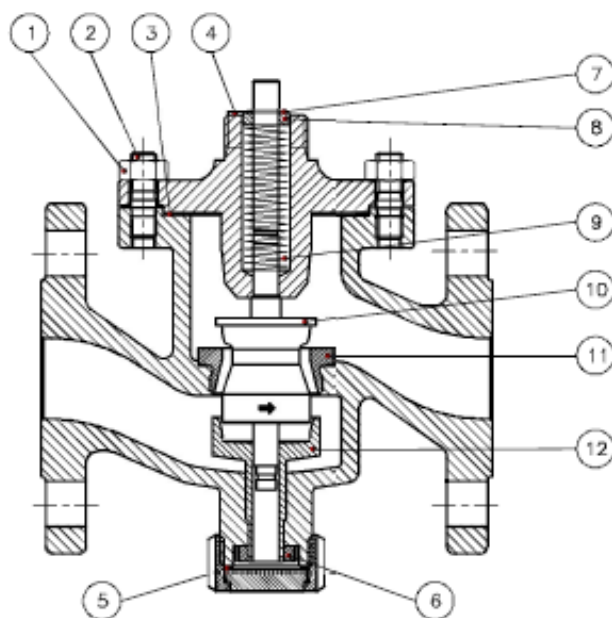
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CONTROLS

## 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.  |
|-------------------|---------------|--------|-----------|-------------------|----------------|--------|-----------|
| <b>components</b> | <b>1 to 5</b> | 20 G2F | 1-2991345 | <b>components</b> | <b>1 to 12</b> | 20 G2F | 1-2991373 |
| <b>pos.</b>       | <b>1 to 5</b> | 25 G2F | 1-2991349 | <b>pos.</b>       | <b>1 to 12</b> | 25 G2F | 1-2991375 |
|                   | <b>1 to 5</b> | 32 G2F | 1-2991352 |                   | <b>1 to 12</b> | 32 G2F | 1-2991379 |
|                   | <b>1 to 5</b> | 40 G2F | 1-2991355 |                   | <b>1 to 12</b> | 40 G2F | 1-2991381 |
|                   | <b>1 to 5</b> | 50 G2F | 1-2991360 |                   | <b>1 to 12</b> | 50 G2F | 1-2991385 |
|                   | <b>1 to 5</b> | 65 G2F | 1-2991363 |                   | <b>1 to 12</b> | 65 G2F | 1-2991389 |
|                   | <b>1 to 5</b> | 80 G2F | 1-2991367 |                   | <b>1 to 12</b> | 80 G2F | 1-2991392 |

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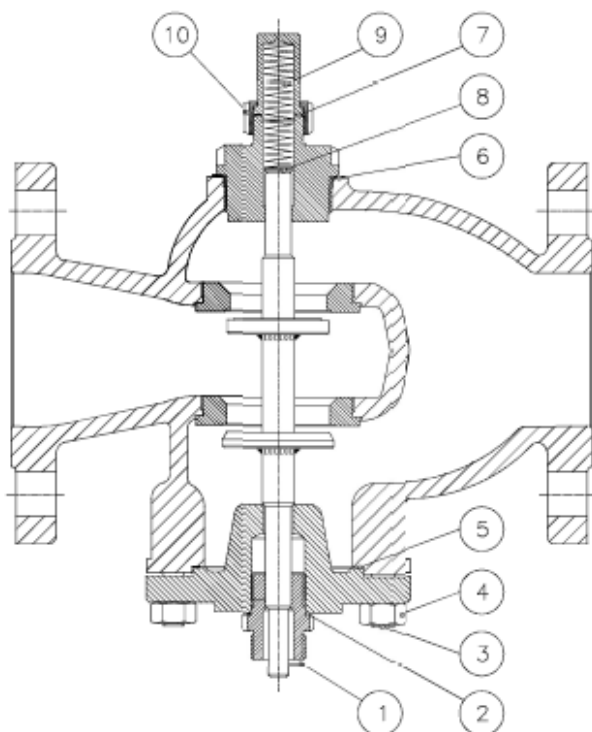
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CONTROLS

## 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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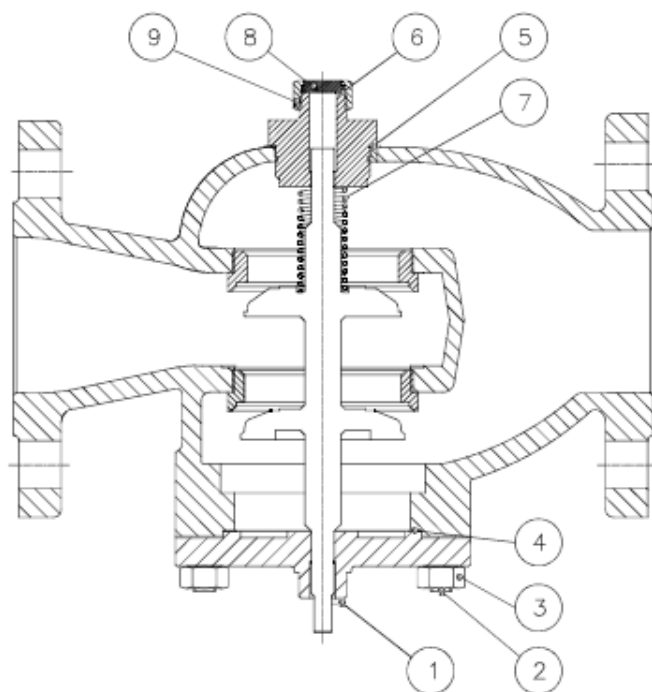
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CONTROLS

## 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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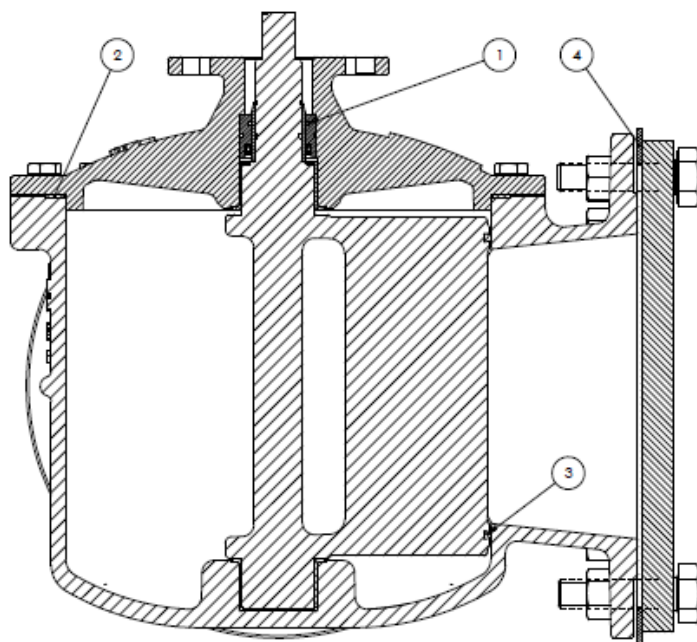
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## G2FM-T SPARE PARTS

2-way Control Valves

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

S-2.5.05.01-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.         |
|-------------------|---------------|--------------------|------------------|
| <b>components</b> | <b>1 to 4</b> | <b>100 G2FM -T</b> | <b>1-2991540</b> |
| <b>pos.</b>       | <b>1 to 4</b> | <b>125 G2FM -T</b> | <b>1-2991541</b> |
|                   | <b>1 to 4</b> | <b>150 G2FM -T</b> | <b>1-2991542</b> |
|                   | <b>1 to 4</b> | <b>200 G2FM -T</b> | <b>1-2991543</b> |
|                   | <b>1 to 4</b> | <b>250 G2FM -T</b> | <b>1-2991544</b> |
|                   | <b>1 to 4</b> | <b>300 G2FM -T</b> | <b>1-2991545</b> |
|                   | <b>1 to 4</b> | <b>350 G2FM -T</b> | <b>1-2991546</b> |
|                   | <b>1 to 4</b> | <b>400 G2FM -T</b> | <b>1-2991547</b> |
|                   | <b>1 to 4</b> | <b>450 G2FM -T</b> | <b>1-2991548</b> |
|                   | <b>1 to 4</b> | <b>500 G2FM -T</b> | <b>1-2991549</b> |

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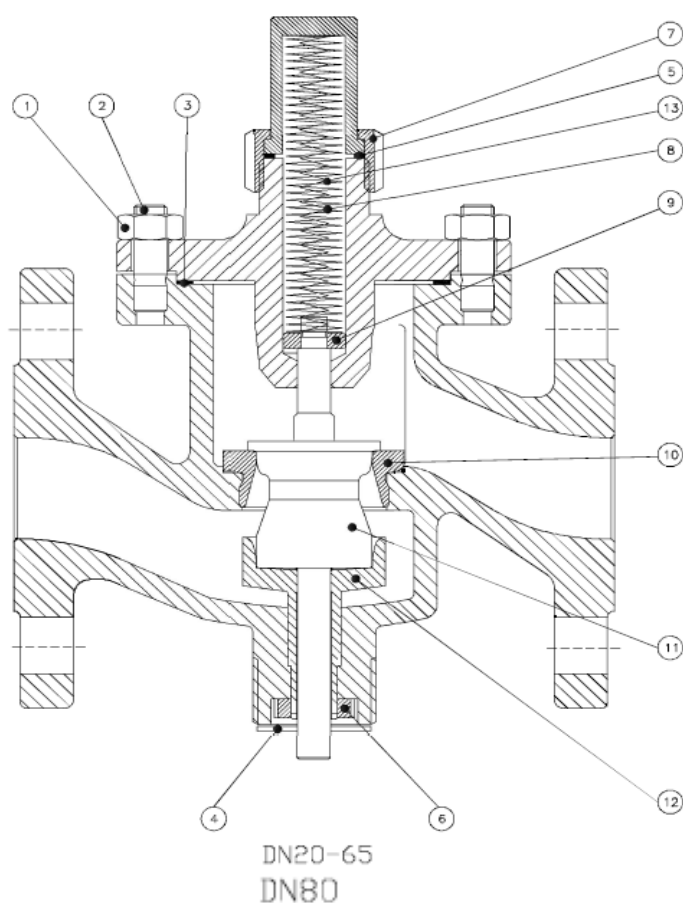
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CONTROLS

## 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<br>pos. | <b>1 to 5</b> | 20 G2FR | 1-2991345 | components<br>pos. | <b>1 to 12</b> | 20 G2FR | 1-2990806 |
|                    | <b>1 to 5</b> | 25 G2FR | 1-2991349 |                    | <b>1 to 12</b> | 25 G2FR | 1-2990808 |
|                    | <b>1 to 5</b> | 32 G2FR | 1-2991352 |                    | <b>1 to 12</b> | 32 G2FR | 1-2990810 |
|                    | <b>1 to 5</b> | 40 G2FR | 1-2991355 |                    | <b>1 to 12</b> | 40 G2FR | 1-2990938 |
|                    | <b>1 to 5</b> | 50 G2FR | 1-2991360 |                    | <b>1 to 12</b> | 50 G2FR | 1-2990911 |
|                    | <b>1 to 5</b> | 65 G2FR | 1-2991363 |                    | <b>1 to 13</b> | 65 G2FR | 1-2991427 |
|                    | <b>1 to 5</b> | 80 G2FR | 1-2991367 |                    | <b>1 to 13</b> | 80 G2FR | 1-2991429 |

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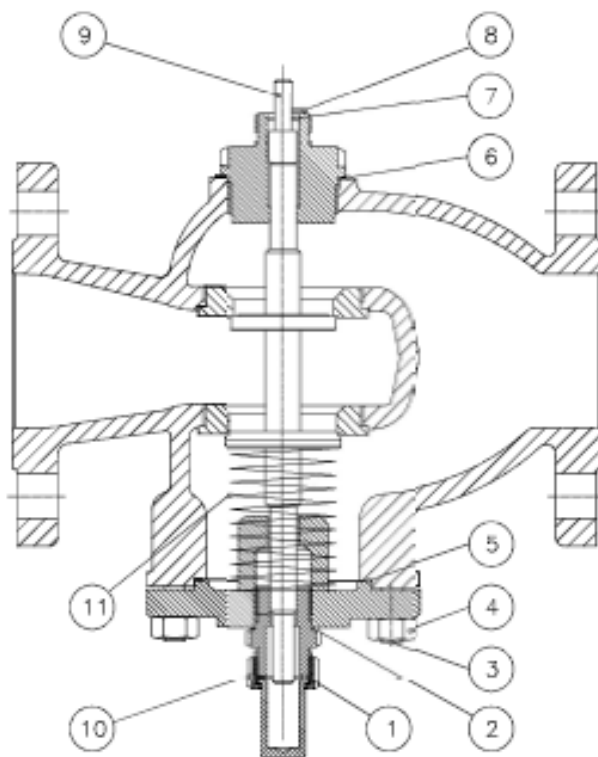
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CONTROLS

## 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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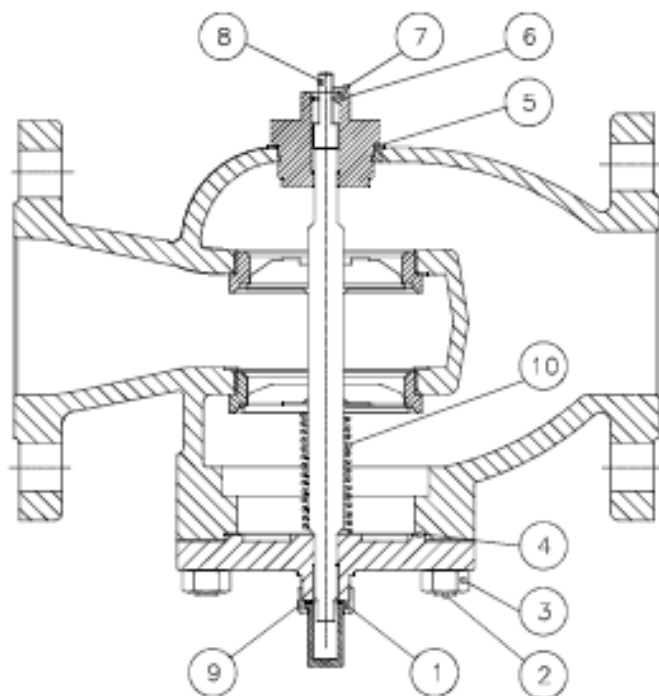
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## G2FR SPARE PARTS

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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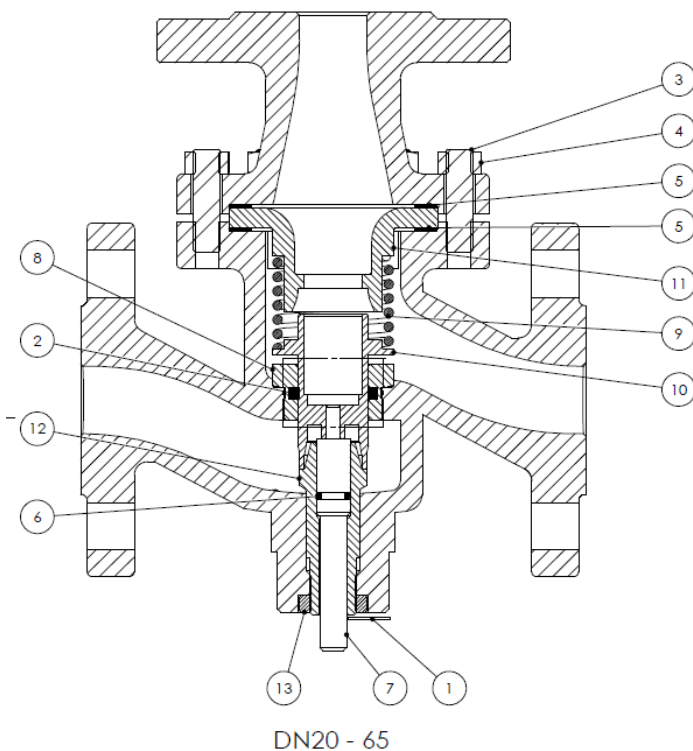


## G3F SPARE PARTS

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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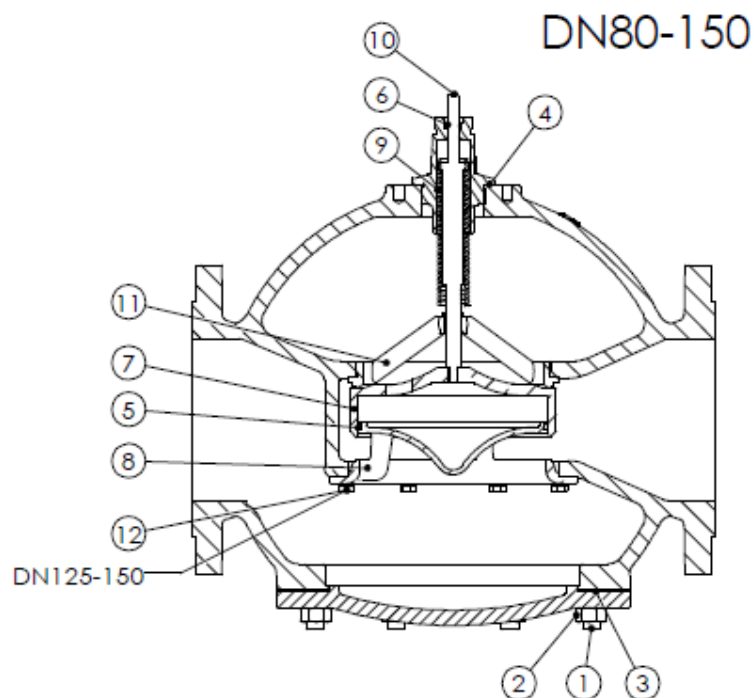
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## G3F SPARE PARTS

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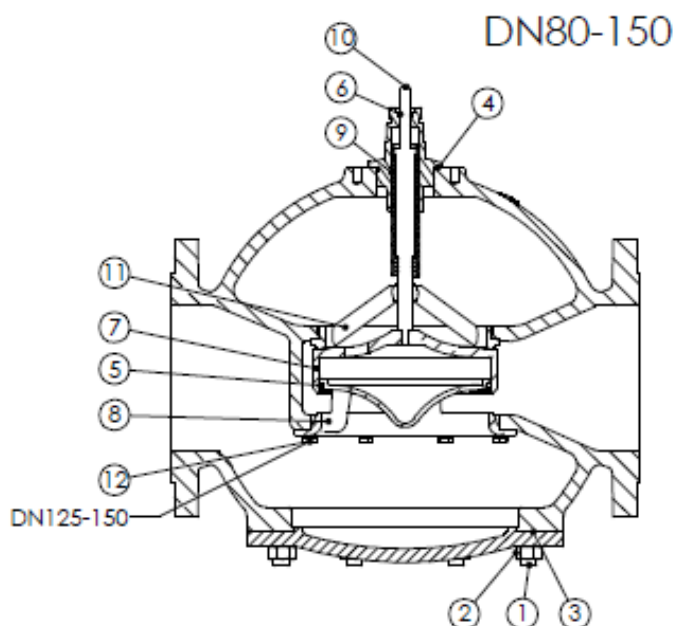
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**G3F- I** (Ports A-AB interchanged) **SPARE PARTS**

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

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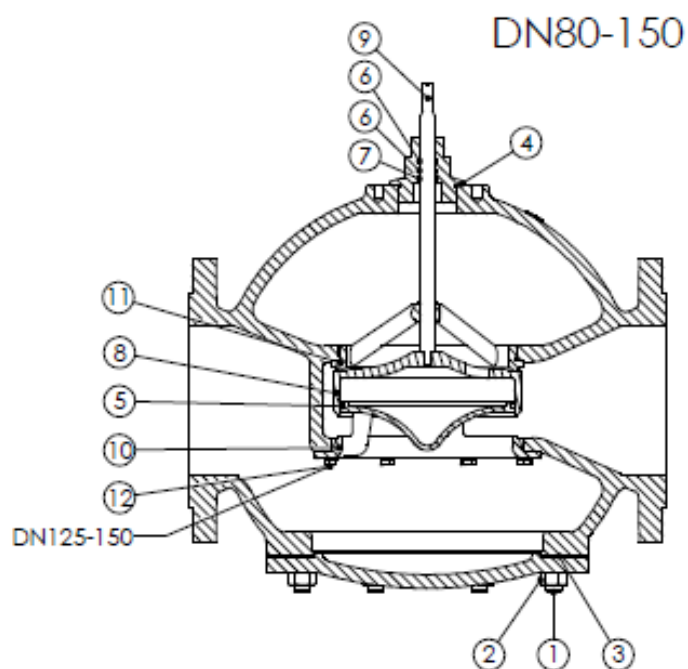
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## G3FA SPARE PARTS

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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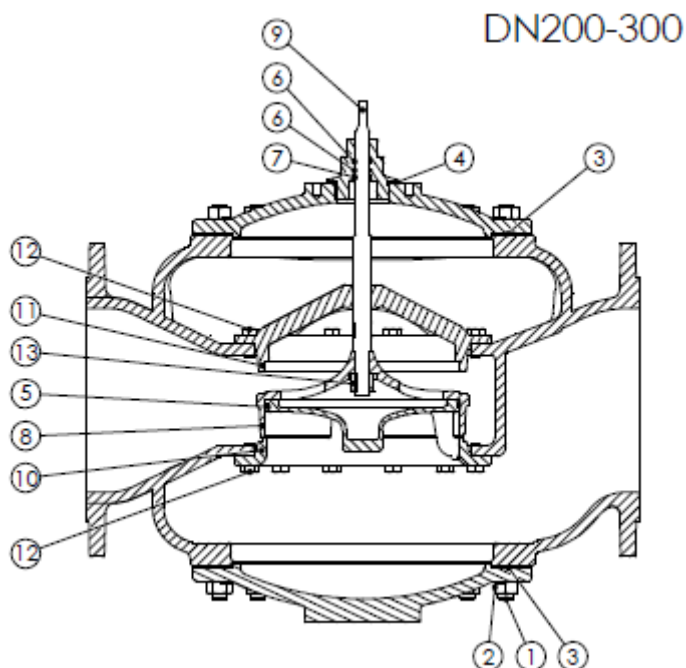
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CONTROLS

## 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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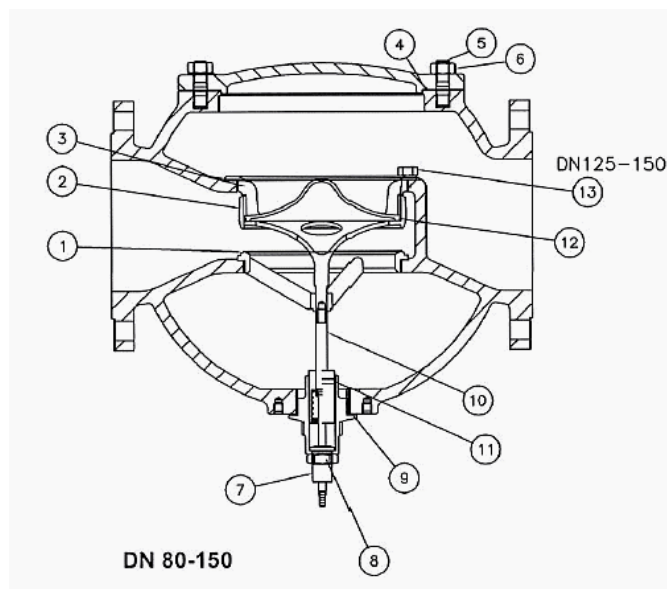
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## G3FM SPARE PARTS

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.  |
|------------------------|--------------------|--------------|-----------|
| <b>components pos.</b> | <b>4 to 7;9;12</b> | 80 G3FM      | 1-2991482 |
|                        | <b>4 to 7;9;12</b> | 100 G3FM     | 1-2991485 |
|                        | <b>4 to 7;9;12</b> | 125 G3FM     | 1-2991487 |
|                        | <b>4 to 7;9;12</b> | 150 G3FM     | 1-2991492 |
|                        | <b>4 to 7;9;12</b> | 200/175 G3FM | 1-2991495 |
|                        | <b>4 to 7;9;12</b> | 200 G3FM     | 1-2991495 |

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

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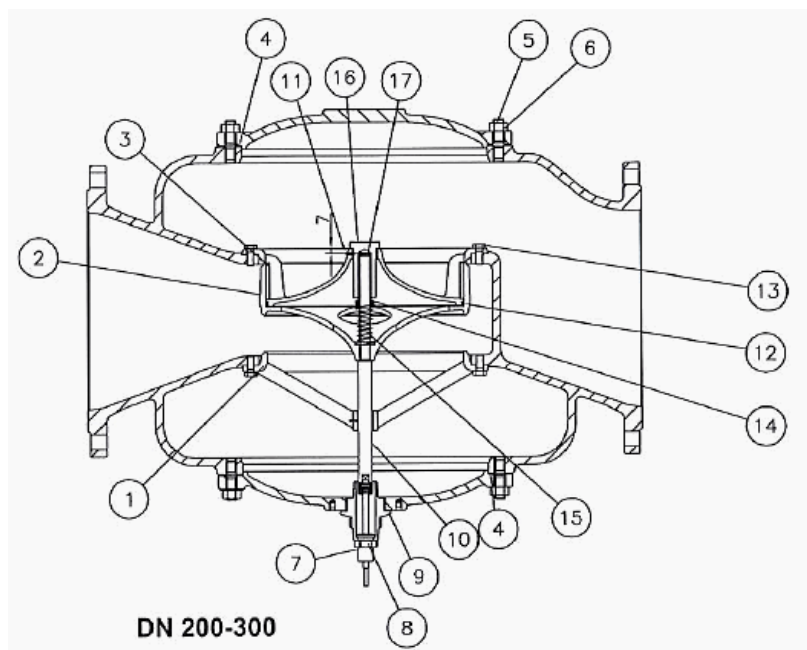
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## G3FM SPARE PARTS

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 |
|                 | 1 to 17     | 300 G3FM     | 1-2991615 |

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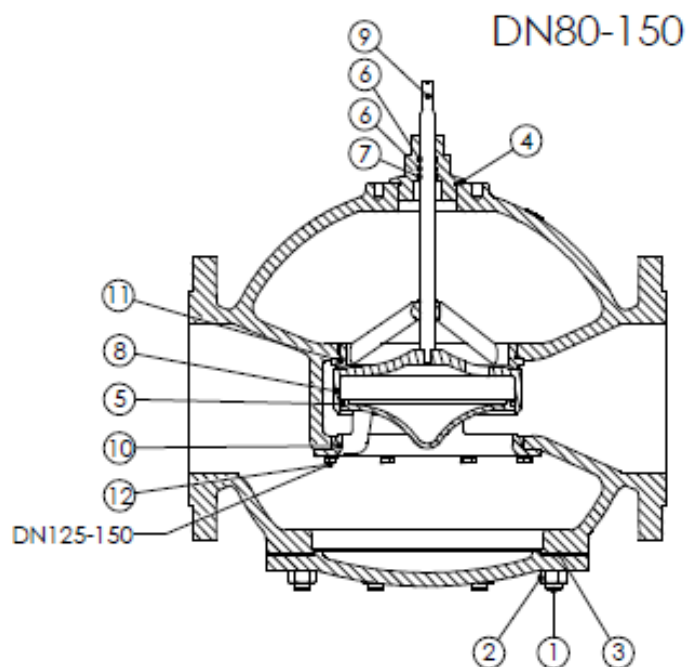
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**G3FA-I** (Ports A-AB interchanged) **SPARE PARTS****S-2.5.13.01-A**

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

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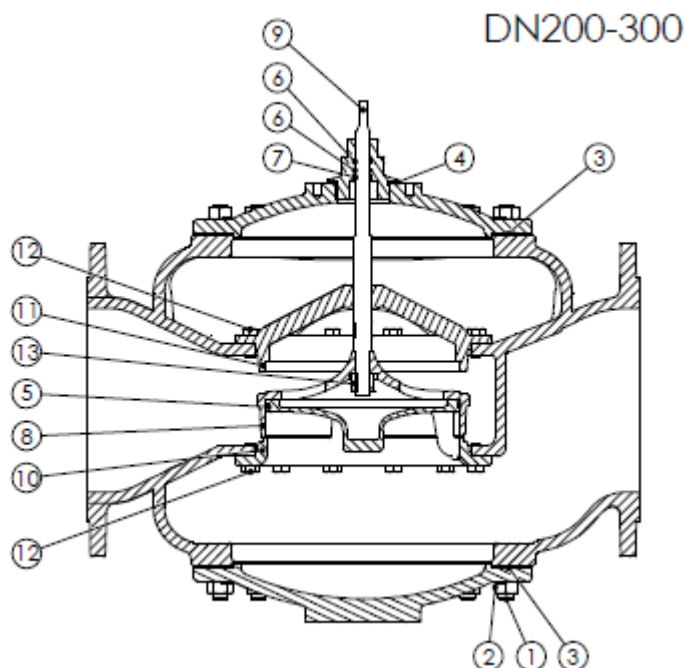
The logo for Clorius Controls, featuring the word 'Clorius' in a large, stylized script font, with the word 'CONTROLS' in a smaller, bold, sans-serif font directly beneath it.



**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    | Oring      |
| 6    | Oring      |
| 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.  |
|------------------------|----------------|----------------|-----------|
| <b>components pos.</b> | <b>1 to 7</b>  | 200/175 G3FA-I | 1-2992709 |
|                        | <b>1 to 7</b>  | 200 G3FA-I     | 1-2992711 |
|                        | <b>1 to 7</b>  | 250/300 G3FA-I | 1-2992713 |
|                        | <b>1 to 7</b>  | 300 G3FA-I     | 1-2992715 |
| Trim set               | Pos.           | Valve          | Item No.  |
| <b>components pos.</b> | <b>1 to 13</b> | 200/175 G3FA-I | 1-2992708 |
|                        | <b>1 to 13</b> | 200 G3FA-I     | 1-2992710 |
|                        | <b>1 to 13</b> | 250/300 G3FA-I | 1-2992712 |
|                        | <b>1 to 13</b> | 300 G3FA-I     | 1-2992714 |

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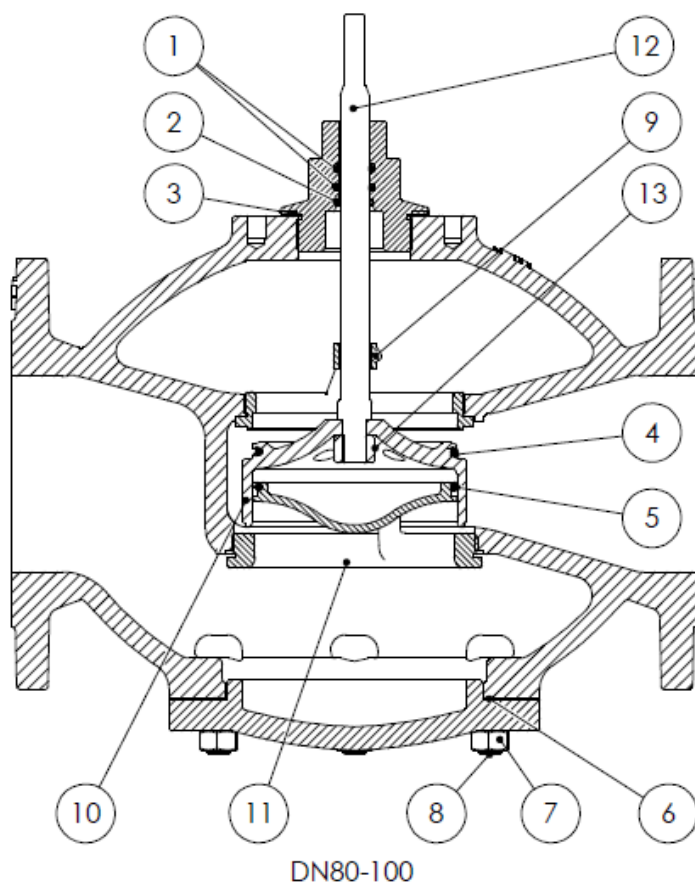
The logo for Clorius Controls, featuring the word 'Clorius' in a large, stylized script font, with the word 'CONTROLS' in a smaller, bold, sans-serif font directly beneath it.

## 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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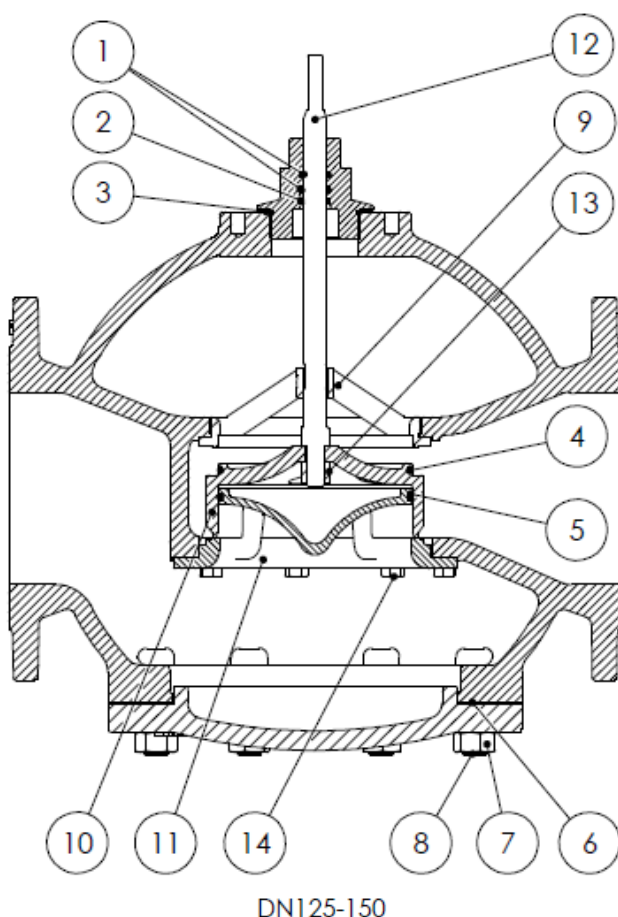
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## G3F SPARE PARTS

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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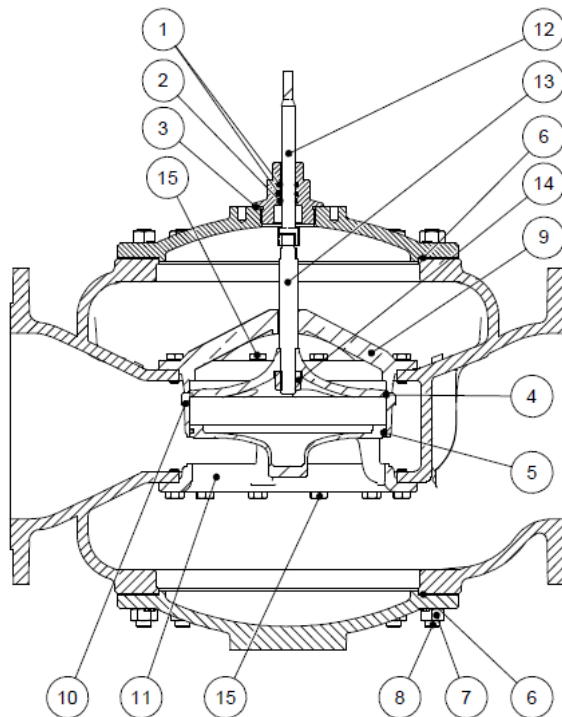
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## G3F SPARE PARTS

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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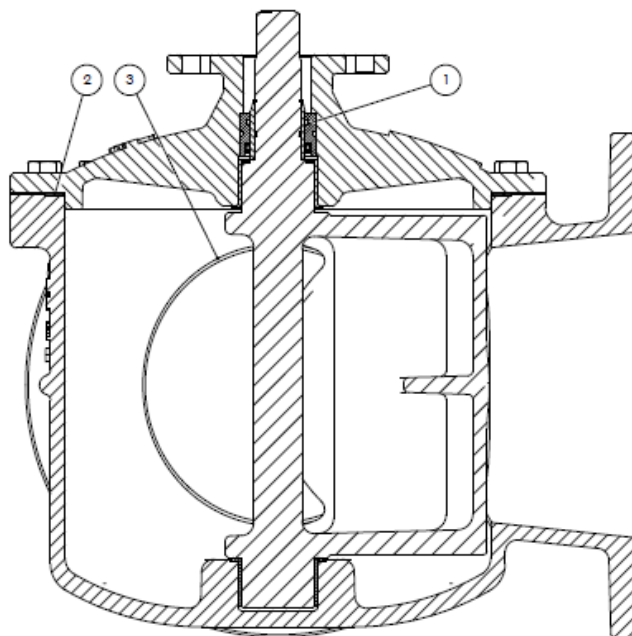
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CONTROLS

## 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.         |
|-------------------|---------------|--------------------|------------------|
| <b>components</b> | <b>1 to 3</b> | <b>100 G3FM-TR</b> | <b>1-2991510</b> |
| <b>pos.</b>       | <b>1 to 3</b> | <b>125 G3FM-TR</b> | <b>1-2991511</b> |
|                   | <b>1 to 3</b> | <b>150 G3FM-TR</b> | <b>1-2991512</b> |
|                   | <b>1 to 3</b> | <b>200 G3FM-TR</b> | <b>1-2991513</b> |
|                   | <b>1 to 3</b> | <b>250 G3FM-TR</b> | <b>1-2991514</b> |
|                   | <b>1 to 3</b> | <b>300 G3FM-TR</b> | <b>1-2991515</b> |
|                   | <b>1 to 3</b> | <b>350 G3FM-TR</b> | <b>1-2991516</b> |
|                   | <b>1 to 3</b> | <b>400 G3FM-TR</b> | <b>1-2991517</b> |
|                   | <b>1 to 3</b> | <b>450 G3FM-TR</b> | <b>1-2991518</b> |
|                   | <b>1 to 3</b> | <b>500 G3FM-TR</b> | <b>1-2991519</b> |
|                   | <b>1 to 3</b> | <b>550 G3FM-TR</b> | <b>1-2991520</b> |
|                   | <b>1 to 3</b> | <b>600 G3FM-TR</b> | <b>1-2991521</b> |

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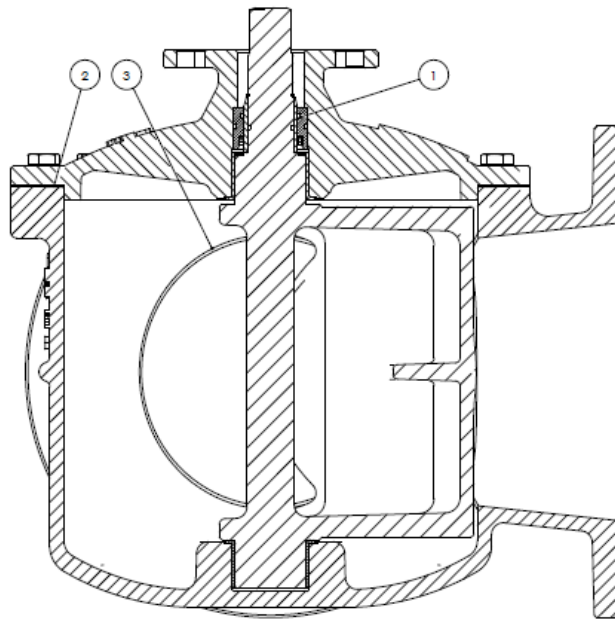
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CONTROLS

## 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.         |
|-------------------|---------------|--------------------|------------------|
| <b>components</b> | <b>1 to 3</b> | <b>100 G3FM-TL</b> | <b>1-2991510</b> |
| <b>pos.</b>       | <b>1 to 3</b> | <b>125 G3FM-TL</b> | <b>1-2991511</b> |
|                   | <b>1 to 3</b> | <b>150 G3FM-TL</b> | <b>1-2991512</b> |
|                   | <b>1 to 3</b> | <b>200 G3FM-TL</b> | <b>1-2991513</b> |
|                   | <b>1 to 3</b> | <b>250 G3FM-TL</b> | <b>1-2991514</b> |
|                   | <b>1 to 3</b> | <b>300 G3FM-TL</b> | <b>1-2991515</b> |
|                   | <b>1 to 3</b> | <b>350 G3FM-TL</b> | <b>1-2991516</b> |
|                   | <b>1 to 3</b> | <b>400 G3FM-TL</b> | <b>1-2991517</b> |
|                   | <b>1 to 3</b> | <b>450 G3FM-TL</b> | <b>1-2991518</b> |
|                   | <b>1 to 3</b> | <b>500 G3FM-TL</b> | <b>1-2991519</b> |
|                   | <b>1 to 3</b> | <b>550 G3FM-TL</b> | <b>1-2991520</b> |
|                   | <b>1 to 3</b> | <b>600 G3FM-TL</b> | <b>1-2991521</b> |

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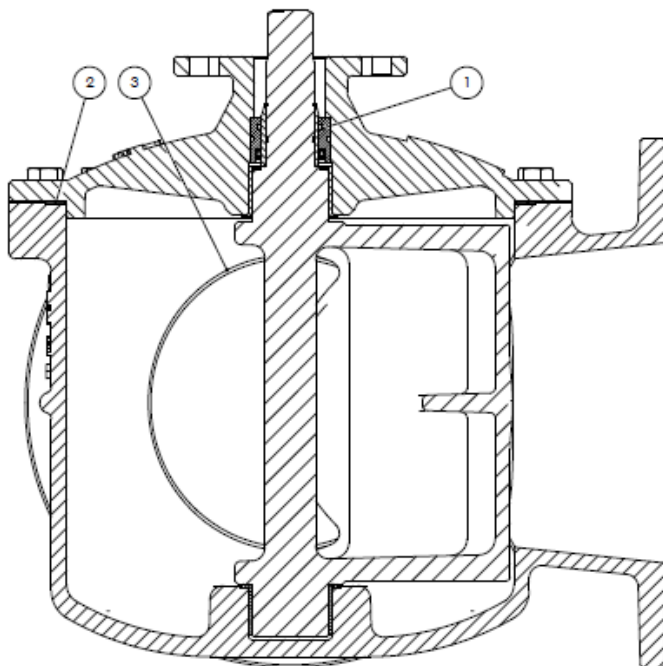
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CONTROLS

## 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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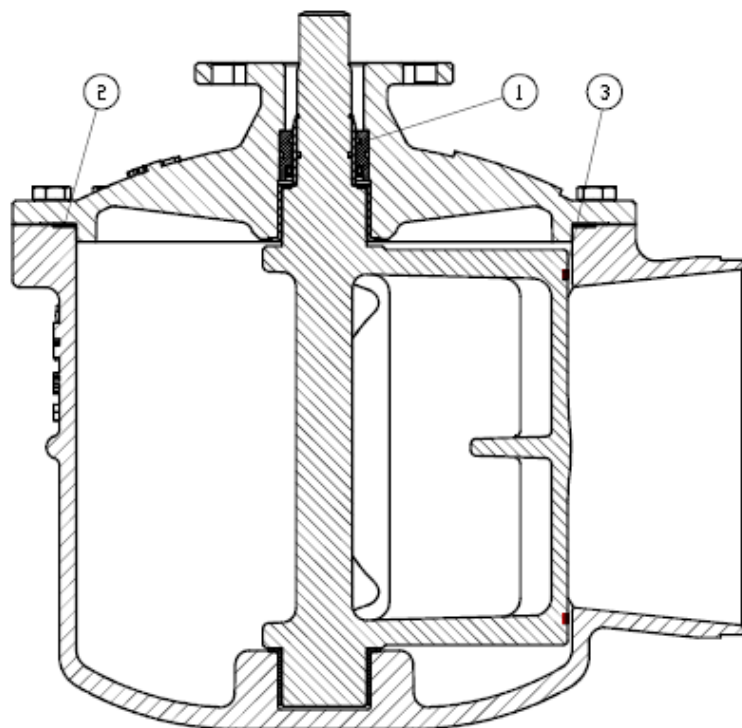
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CONTROLS

## 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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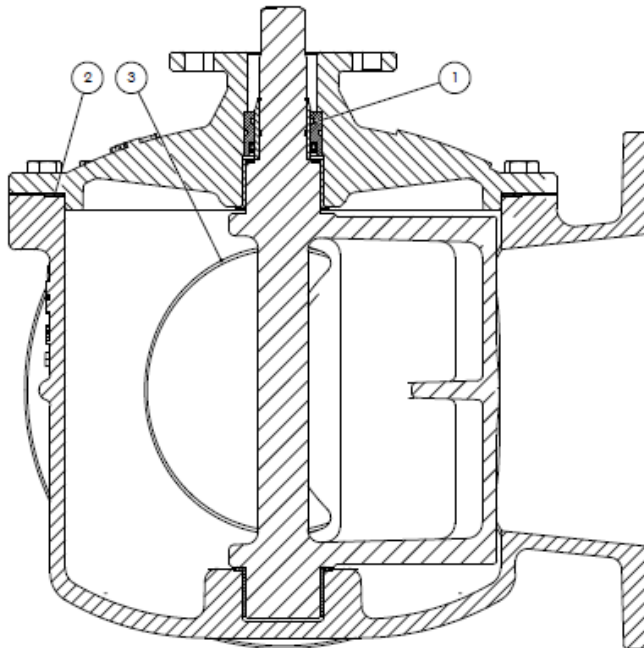


## S3FM-TR (AB-Right) SPARE PARTS

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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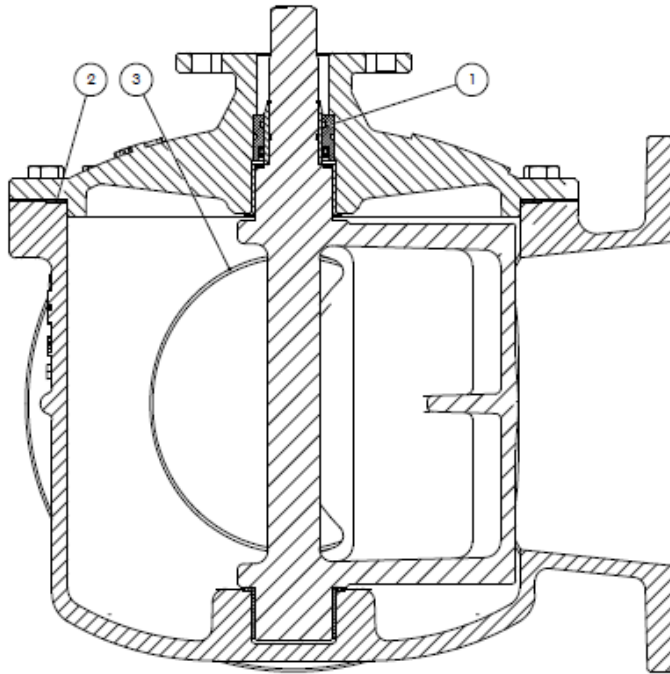
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CONTROLS

## 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 busing |
| 2 | Gasket            |
| 3 | O-ring for slide  |

### Order Information:

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

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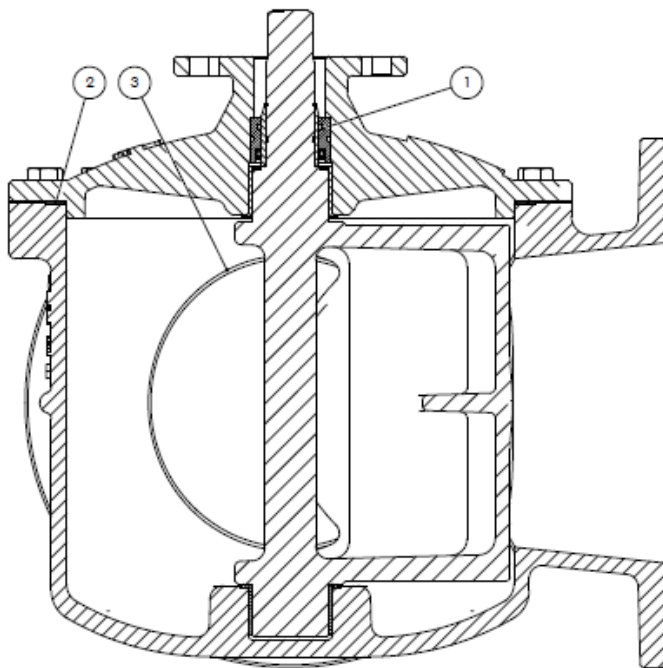
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CONTROLS

## 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.  |
|------------------------|---------------|---------------------|-----------|
| <b>components pos.</b> | <b>1 to 3</b> | <b>100 S3FM -TM</b> | 1-2991525 |
|                        | <b>1 to 3</b> | <b>125 S3FM -TM</b> | 1-2991526 |
|                        | <b>1 to 3</b> | <b>150 S3FM -TM</b> | 1-2991527 |
|                        | <b>1 to 3</b> | <b>200 S3FM -TM</b> | 1-2991528 |
|                        | <b>1 to 3</b> | <b>250 S3FM -TM</b> | 1-2991529 |
|                        | <b>1 to 3</b> | <b>300 S3FM -TM</b> | 1-2991530 |
|                        | <b>1 to 3</b> | <b>350 S3FM -TM</b> | 1-2991531 |
|                        | <b>1 to 3</b> | <b>400 S3FM -TM</b> | 1-2991532 |
|                        | <b>1 to 3</b> | <b>450 S3FM -TM</b> | 1-2991533 |
|                        | <b>1 to 3</b> | <b>500 S3FM -TM</b> | 1-2991534 |

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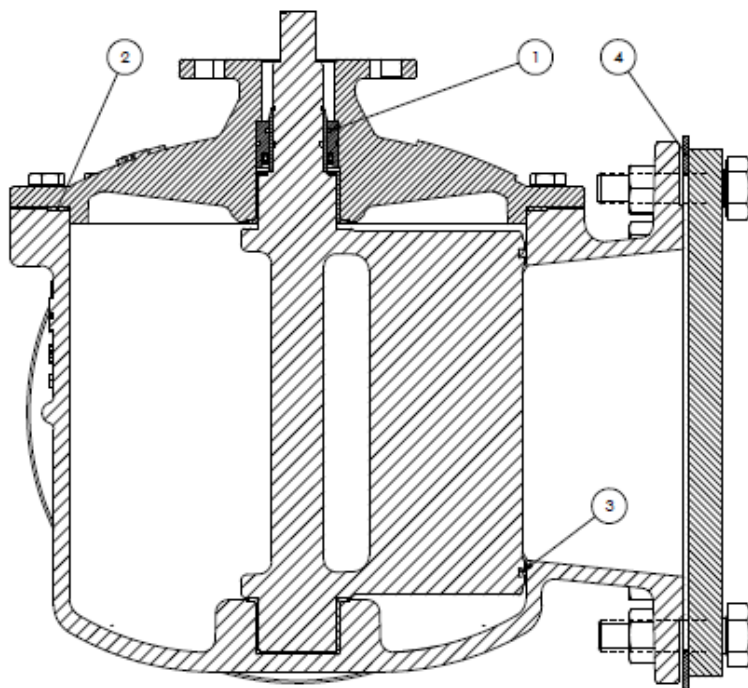
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## S2FM-T SPARE PARTS

S-2.7.04-A

2-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 |
|---|------------------|

|   |        |
|---|--------|
| 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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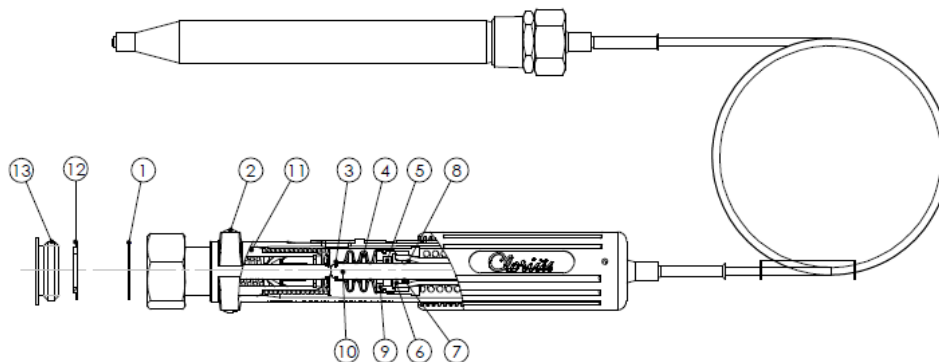
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## SPARE PARTS

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" |

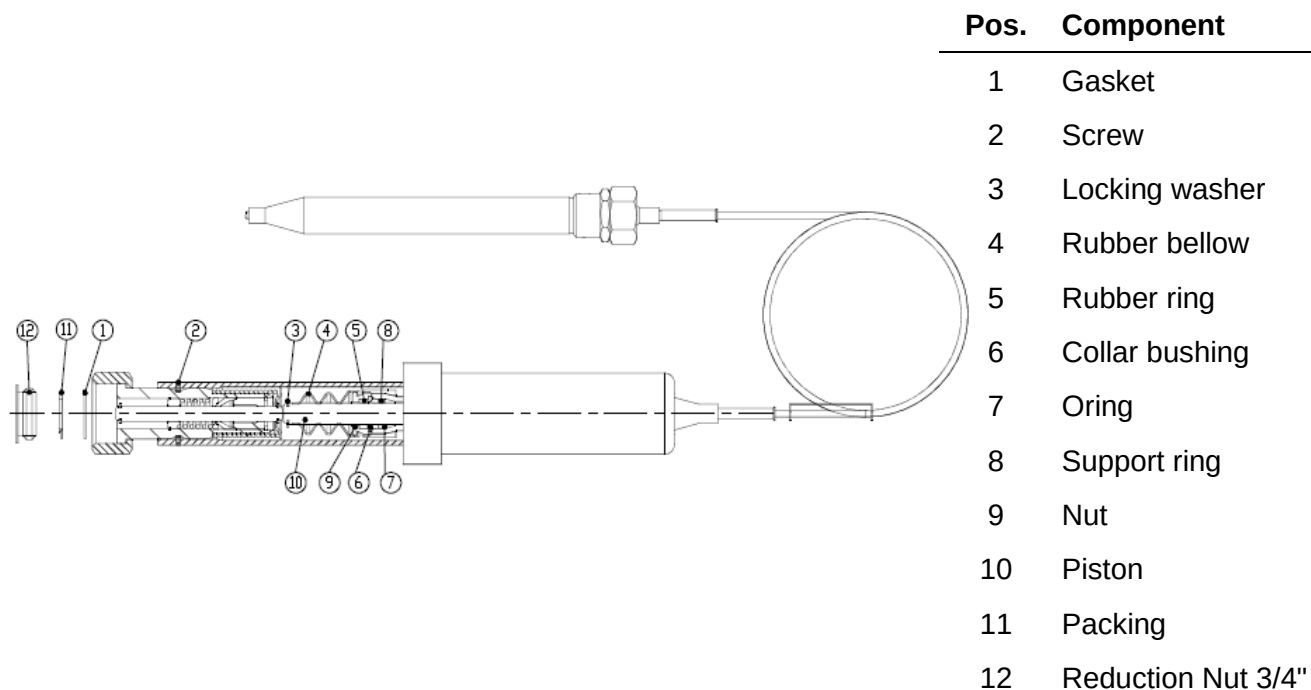
## Order Information:

| 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 |

## SPARE PARTS

S-3.4.05-A

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



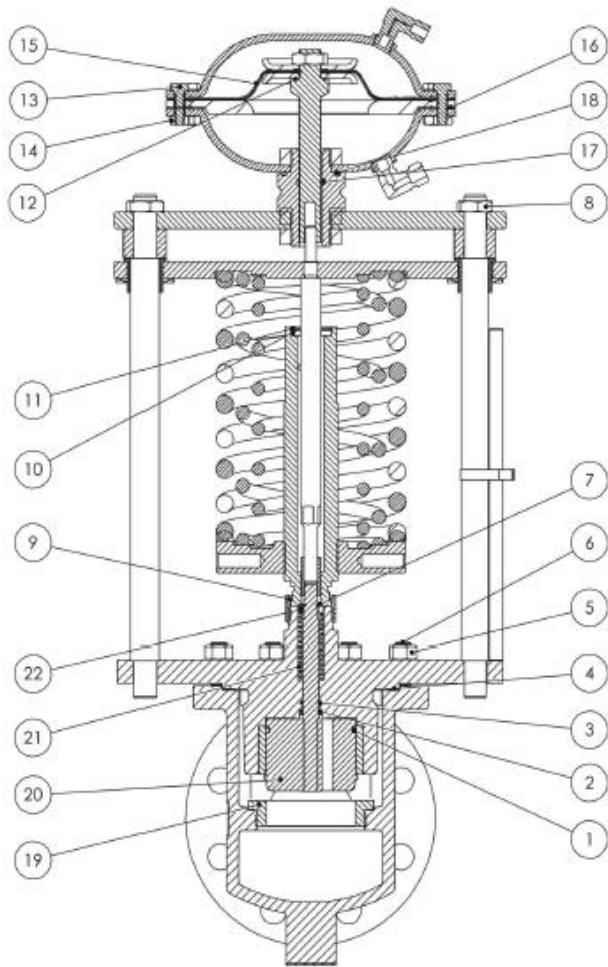
## Order Information:

| 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.  |
|------------------------|-----------------------|------|-------|-------|-------------|-----------|
| <b>components pos.</b> | <b>1 to 15 ;17;18</b> | DN15 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992600 |
|                        | <b>1 to 18</b>        | DN15 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992602 |
|                        | <b>1 to 18</b>        | DN15 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992602 |
|                        | <b>1 to 18</b>        | DN15 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992604 |
|                        | <b>1 to 15 ;17;18</b> | DN20 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992606 |
|                        | <b>1 to 18</b>        | DN20 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992608 |
|                        | <b>1 to 18</b>        | DN20 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992608 |
|                        | <b>1 to 18</b>        | DN20 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992610 |
|                        | <b>1 to 15 ;17;18</b> | DN25 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992612 |
|                        | <b>1 to 18</b>        | DN25 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992614 |
|                        | <b>1 to 18</b>        | DN25 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992614 |
|                        | <b>1 to 18</b>        | DN25 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992616 |
|                        | <b>1 to 15 ;17;18</b> | DN32 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992618 |
|                        | <b>1 to 18</b>        | DN32 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992620 |
|                        | <b>1 to 18</b>        | DN32 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992620 |
|                        | <b>1 to 18</b>        | DN32 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992622 |
|                        | <b>1 to 15 ;17;18</b> | DN40 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992624 |
|                        | <b>1 to 18</b>        | DN40 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992626 |
|                        | <b>1 to 18</b>        | DN40 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992626 |
|                        | <b>1 to 18</b>        | DN40 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992628 |
|                        | <b>1 to 15 ;17;18</b> | DN50 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992642 |
|                        | <b>1 to 18</b>        | DN50 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992644 |
|                        | <b>1 to 18</b>        | DN50 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992644 |
|                        | <b>1 to 18</b>        | 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.  |
|-----------------------|------|-------|-------|-------------|-----------|
| <b>1 to 15 ;17;18</b> | DN65 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992630 |
| <b>1 to 18</b>        | DN65 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992632 |
| <b>1 to 18</b>        | DN65 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992632 |
| <b>1 to 18</b>        | DN65 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992634 |
| <b>1 to 15 ;17;18</b> | DN80 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992636 |
| <b>1 to 18</b>        | DN80 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992638 |
| <b>1 to 18</b>        | DN80 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992638 |
| <b>1 to 18</b>        | DN80 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992640 |

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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

| Trim set                  | Size | PN    | PN    | Range       | Item No.  |
|---------------------------|------|-------|-------|-------------|-----------|
| <b>components</b>         |      |       |       |             |           |
| <b>pos.</b>               |      |       |       |             |           |
| <b>1 to 15 ; 17 to 22</b> | DN15 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992601 |
| <b>1 to 22</b>            | DN15 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992603 |
| <b>1 to 22</b>            | DN15 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992603 |
| <b>1 to 22</b>            | DN15 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992605 |
| <b>1 to 15 ; 17 to 22</b> | DN20 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992607 |
| <b>1 to 22</b>            | DN20 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992609 |
| <b>1 to 22</b>            | DN20 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992609 |
| <b>1 to 22</b>            | DN20 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992611 |
| <b>1 to 15 ; 17 to 22</b> | DN25 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992613 |
| <b>1 to 22</b>            | DN25 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992615 |
| <b>1 to 22</b>            | DN25 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992615 |
| <b>1 to 22</b>            | DN25 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992617 |
| <b>1 to 15 ; 17 to 22</b> | DN32 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992619 |
| <b>1 to 22</b>            | DN32 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992621 |
| <b>1 to 22</b>            | DN32 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992621 |
| <b>1 to 22</b>            | DN32 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992623 |
| <b>1 to 15 ; 17 to 22</b> | DN40 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992625 |
| <b>1 to 22</b>            | DN40 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992627 |
| <b>1 to 22</b>            | DN40 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992627 |
| <b>1 to 22</b>            | DN40 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992629 |
| <b>1 to 15 ; 17 to 22</b> | DN50 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992643 |
| <b>1 to 22</b>            | DN50 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992645 |
| <b>1 to 22</b>            | DN50 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992645 |
| <b>1 to 22</b>            | 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.  |
|---------------------------|------|-------|-------|-------------|-----------|
| <b>1 to 15 ; 17 to 22</b> | DN65 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992631 |
| <b>1 to 22</b>            | DN65 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992633 |
| <b>1 to 22</b>            | DN65 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992633 |
| <b>1 to 22</b>            | DN65 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992635 |
| <b>1 to 15 ; 17 to 22</b> | DN80 | PN 16 | PN 25 | 0.4-0.8 BAR | 1-2992637 |
| <b>1 to 22</b>            | DN80 | PN 16 | PN 25 | 0.6-1.5 BAR | 1-2992639 |
| <b>1 to 22</b>            | DN80 | PN 16 | PN 25 | 1.0-2.5 BAR | 1-2992639 |
| <b>1 to 22</b>            | DN80 | PN 16 | PN 25 | 2.0-5.0 BAR | 1-2992641 |

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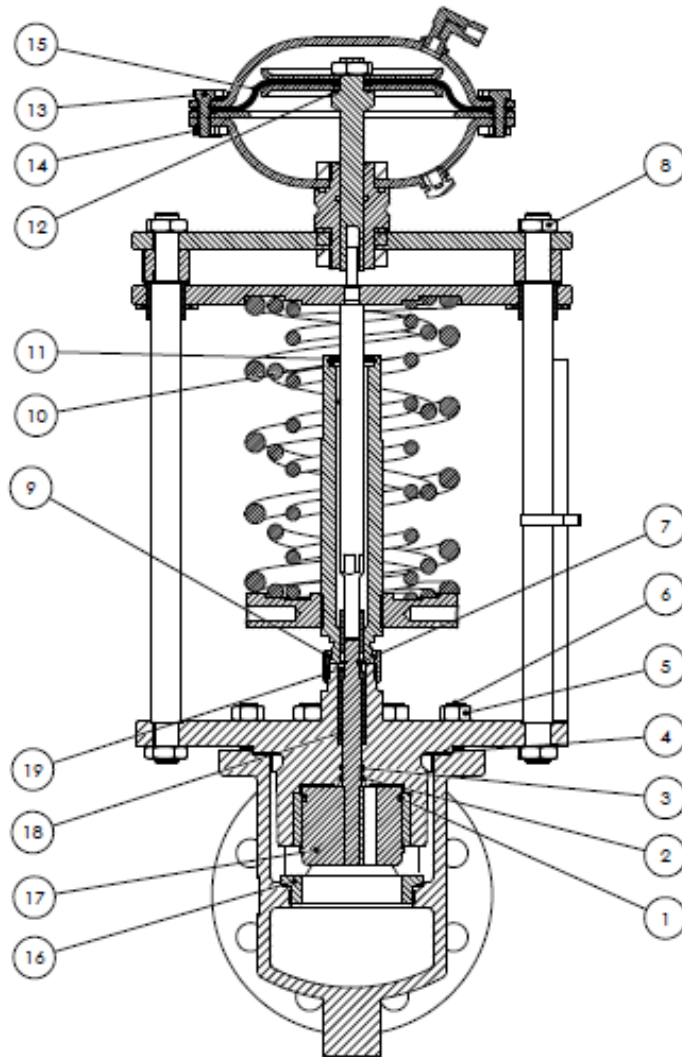
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## Pressure Reducing

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. | <b>1 to 15</b> | DN15 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992650 |
|                 | <b>1 to 15</b> | DN15 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992650 |
|                 | <b>1 to 15</b> | DN15 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992650 |
|                 | <b>1 to 15</b> | DN15 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992652 |
|                 | <b>1 to 15</b> | DN15 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992652 |
|                 | <b>1 to 15</b> | DN20 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992654 |
|                 | <b>1 to 15</b> | DN20 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992654 |
|                 | <b>1 to 15</b> | DN20 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992654 |
|                 | <b>1 to 15</b> | DN20 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992656 |
|                 | <b>1 to 15</b> | DN20 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992656 |
|                 | <b>1 to 15</b> | DN25 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992658 |
|                 | <b>1 to 15</b> | DN25 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992658 |
|                 | <b>1 to 15</b> | DN25 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992658 |
|                 | <b>1 to 15</b> | DN25 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992660 |
|                 | <b>1 to 15</b> | DN25 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992660 |
|                 | <b>1 to 15</b> | DN32 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992662 |
|                 | <b>1 to 15</b> | DN32 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992662 |
|                 | <b>1 to 15</b> | DN32 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992662 |
|                 | <b>1 to 15</b> | DN32 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992664 |
|                 | <b>1 to 15</b> | DN32 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992664 |
|                 | <b>1 to 15</b> | DN40 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992666 |
|                 | <b>1 to 15</b> | DN40 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992666 |
|                 | <b>1 to 15</b> | DN40 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992666 |
|                 | <b>1 to 15</b> | DN40 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992668 |
|                 | <b>1 to 15</b> | 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.  |
|----------------|------|-------|-------|-------------|-----------|
| <b>1 to 15</b> | DN50 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992670 |
| <b>1 to 15</b> | DN50 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992670 |
| <b>1 to 15</b> | DN50 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992670 |
| <b>1 to 15</b> | DN50 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992672 |
| <b>1 to 15</b> | DN50 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992672 |
| <b>1 to 15</b> | DN65 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992674 |
| <b>1 to 15</b> | DN65 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992674 |
| <b>1 to 15</b> | DN65 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992674 |
| <b>1 to 15</b> | DN65 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992676 |
| <b>1 to 15</b> | DN65 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992676 |
| <b>1 to 15</b> | DN80 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992678 |
| <b>1 to 15</b> | DN80 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992678 |
| <b>1 to 15</b> | DN80 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992678 |
| <b>1 to 15</b> | DN80 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992680 |
| <b>1 to 15</b> | 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.  |
|------------------------|----------------|------|-------|-------|-------------|-----------|
| <b>components pos.</b> | <b>1 to 19</b> | DN15 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992651 |
|                        | <b>1 to 19</b> | DN15 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992651 |
|                        | <b>1 to 19</b> | DN15 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992651 |
|                        | <b>1 to 19</b> | DN15 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992653 |
|                        | <b>1 to 19</b> | DN15 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992653 |
|                        | <b>1 to 19</b> | DN20 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992655 |
|                        | <b>1 to 19</b> | DN20 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992655 |
|                        | <b>1 to 19</b> | DN20 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992655 |
|                        | <b>1 to 19</b> | DN20 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992657 |
|                        | <b>1 to 19</b> | DN20 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992657 |
|                        | <b>1 to 19</b> | DN25 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992659 |
|                        | <b>1 to 19</b> | DN25 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992659 |
|                        | <b>1 to 19</b> | DN25 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992659 |
|                        | <b>1 to 19</b> | DN25 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992661 |
|                        | <b>1 to 19</b> | DN25 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992661 |
|                        | <b>1 to 19</b> | DN32 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992663 |
|                        | <b>1 to 19</b> | DN32 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992663 |
|                        | <b>1 to 19</b> | DN32 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992663 |
|                        | <b>1 to 19</b> | DN32 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992665 |
|                        | <b>1 to 19</b> | DN32 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992665 |
|                        | <b>1 to 19</b> | DN40 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992667 |
|                        | <b>1 to 19</b> | DN40 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992667 |
|                        | <b>1 to 19</b> | DN40 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992667 |
|                        | <b>1 to 19</b> | DN40 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992669 |
|                        | <b>1 to 19</b> | 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.  |
|----------------|------|-------|-------|-------------|-----------|
| <b>1 to 19</b> | DN50 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992671 |
| <b>1 to 19</b> | DN50 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992671 |
| <b>1 to 19</b> | DN50 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992671 |
| <b>1 to 19</b> | DN50 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992673 |
| <b>1 to 19</b> | DN50 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992673 |
| <b>1 to 19</b> | DN65 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992675 |
| <b>1 to 19</b> | DN65 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992675 |
| <b>1 to 19</b> | DN65 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992675 |
| <b>1 to 19</b> | DN65 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992677 |
| <b>1 to 19</b> | DN65 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992677 |
| <b>1 to 19</b> | DN80 | PN 25 | PN 40 | 0.4-1.2 BAR | 1-2992679 |
| <b>1 to 19</b> | DN80 | PN 25 | PN 40 | 1.0-2.5 BAR | 1-2992679 |
| <b>1 to 19</b> | DN80 | PN 25 | PN 40 | 2.0-5.0 BAR | 1-2992679 |
| <b>1 to 19</b> | DN80 | PN 25 | PN 40 | 4.0-10 BAR  | 1-2992681 |
| <b>1 to 19</b> | DN80 | PN 25 | PN 40 | 8.0-16 BAR  | 1-2992681 |

**Clorius Control A/S**

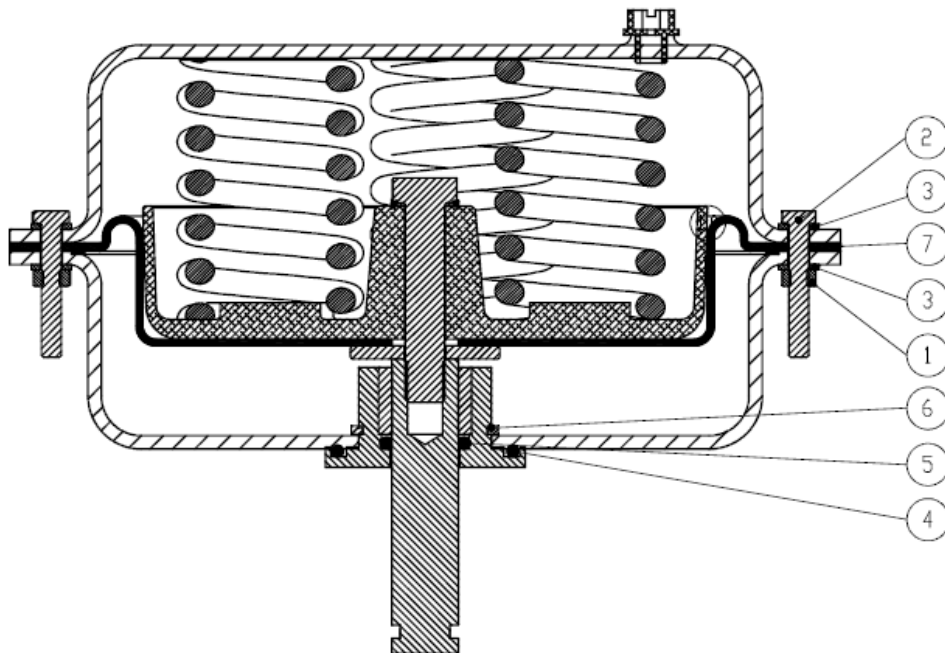
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The logo for Clorius Controls, featuring the word "Clorius" in a large, stylized, cursive font, with the word "CONTROLS" in a smaller, bold, sans-serif font directly beneath it.



**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 |