



## **Bypass Valves**

### **100 070 055**

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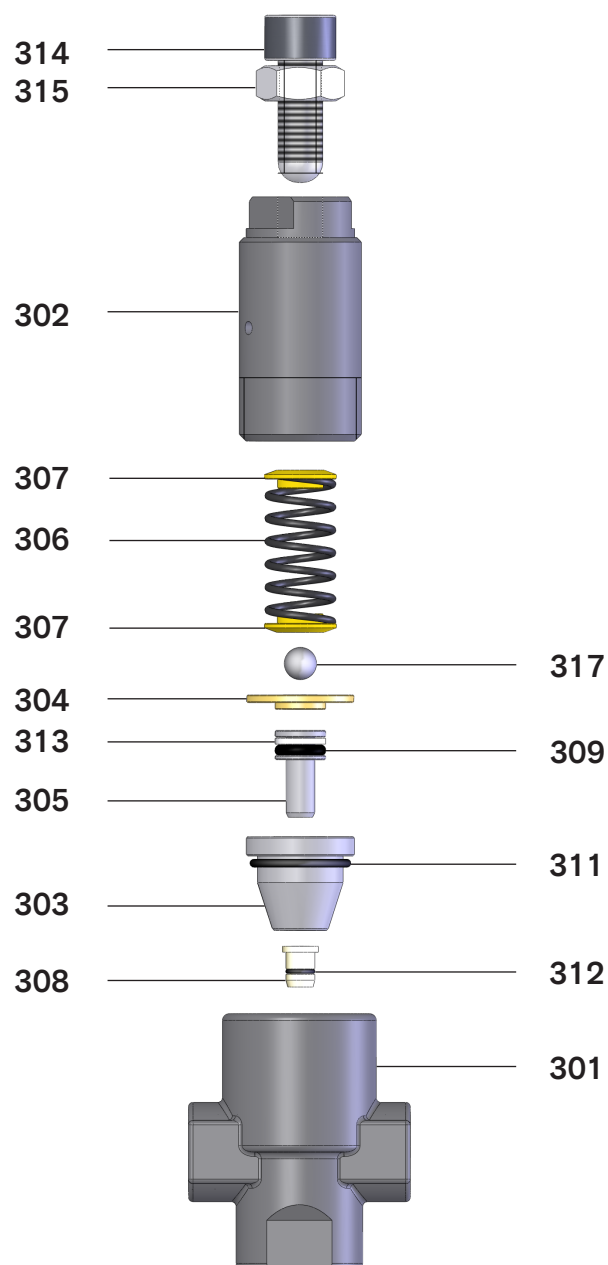
|                 |             |
|-----------------|-------------|
| Product nr.     | 100 070 055 |
| Pressure Range  | 50-155BAR   |
| Flow Range      | 0-35L/Min   |
| Inlet Port      | 3/8" F      |
| Outlet Port     | 3/8" F      |
| Bypass Port     | 3/8" F      |
| Max Temperature | 80°C        |
| Weight          | 450g        |

**Features**

- Maintains full system pressure while running in idle
- Offers pump protection against pressure fluctuations and system changes
- Minimum pressure fluctuations with alternating use of multiple guns and nozzles
- Top adjusting bolt and locking nut to secure exact pressure setting
- No external moving parts. Stainless Steel, PEEK and NBR internal parts for temperature, wear and liquid compatibility

**Caution**

All systems require both a primary pressure regulating device (i.e., regulator, unloader) and a secondary pressure safety relief device (i.e., pop-off valve, safety valve). Failure to install such relief devices could result in personal injury, damage to the pump or to system components. We do not assume any liability or responsibility for the operation of a customers high pressure system.



| Item | Description                 | Material           | Part nr.    | 055 |
|------|-----------------------------|--------------------|-------------|-----|
| 301  | Valve body                  | Cast 304           | 110 070 108 | x   |
| 302  | Spring housing              | Cast 304           | 110 070 036 | x   |
| 303  | Cylinder                    | SS316              | 110 070 042 | x   |
| 304  | Cylinder Cap                | Brass              | 110 070 043 | x   |
| 305  | Piston                      | SS316              | 110 070 057 | x   |
| 306  | Spring                      | High Tension Steel | 110 070 038 | x   |
| 307  | Spring retainer             | Brass              | 110 070 044 | x   |
| 308  | Seat                        | PEEK               | 110 070 039 | x   |
| 309  | O-ring 6.02x2.62mm          | NBR 90             | 510 500 108 | x   |
| 311  | O-ring 18.77x1.78mm         | NBR 90             | 510 500 106 | x   |
| 312  | O-ring 4.5x1 mm             | NBR 90             | 510 500 606 | x   |
| 313  | Teflon ring 6.6x1 1.2x1.3mm | PTFE               | 110 070 054 | x   |
| 314  | Bolt                        | SS304              | 110 070 049 | x   |
| 315  | Nut                         | SS304              | 110 070 050 | x   |
| 317  | Ball                        | SS304              | 110 070 052 | x   |
|      | O-ring set                  |                    | 110 070 059 | x   |
|      | Repair set                  |                    | 110 070 255 | x   |