

PILOTS



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PRESSURE RELIEF PILOT

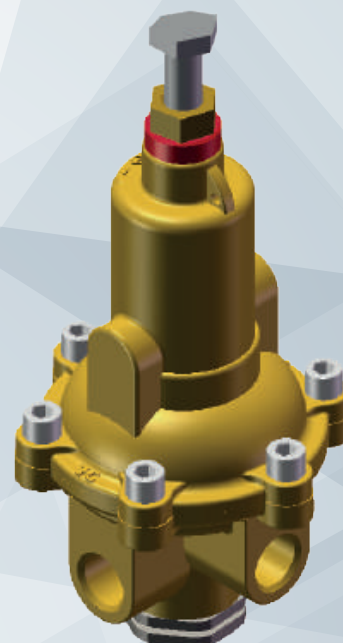
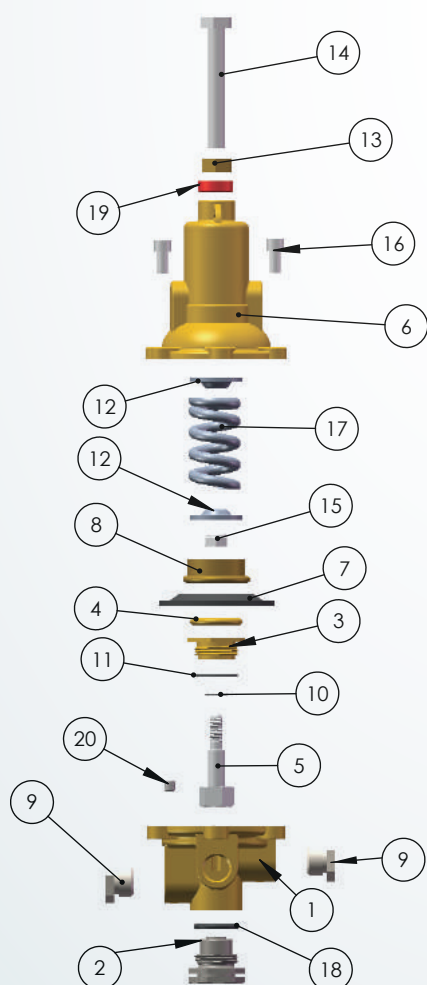


Functioning

The pressure relief pilot sets the maximum tare pressure limit through a set screw. If the upstream pressure exceeds the set pressure, the valve is opened by communicating the valve chamber to the atmospheric pressure, so it relieves excess pressure in the line.



Disassembly



Nº	DESCRIPTION	MATERIAL
1	Body	Brass
2	Plug	Inox
3	Guide bushing	Brass
4	Closing washer	Brass
5	Axis	Inox
6	Lid	Brass
7	Membrane	EPDM
8	Upper washer	Brass
9	Plug 1/4"	Brass
10	Gasket 8X1.5	NBR
11	Gasket 17X1.5	NBR
12	Buffer spring	INOX
13	Nut M-8	Brass
14	Screw M-8X55	INOX
15	Nut M-6 Freno	INOX
16	Screw M-5	INOX
17	Spring 4.5 mm	INOX
18	Gasket 16 X2.5	NBR
19	Red washer	Nylon
20	Blind plug M- 5X5	INOX

FLOW LIMITER PILOT

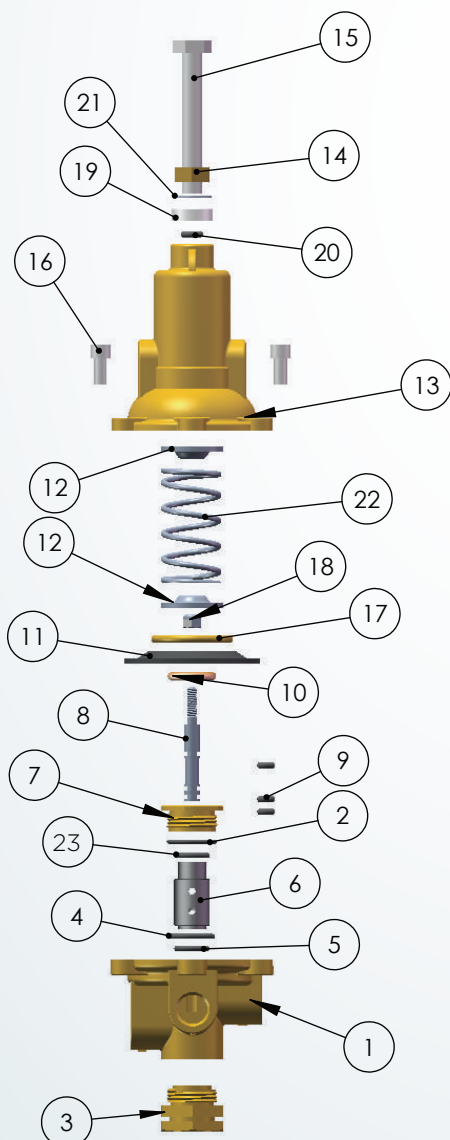


Functioning

The pilot regulates the opening of the valve according to the differential pressure, providing the pre-set flow rate and maintaining the constant flow rate. By actuating the screw of the pilot's tare it is possible to vary the flow rate. With two sensors, installed on both sides of an orifice plate that produces a certain pressure drop, the circulating flow is obtained, closing the hydraulic valve partially until just a determined flow in case of overcome the predetermined flow.



Disassembly



Nº	DESCRIPTION	MATERIAL
1	Body	Brass
2	Gasket 17 x 1.5	NBR
3	Plug	Brass
4	Gasket 14 x 2	NBR
5	Gasket 10 x 2	NBR
6	Teflón	Teflon
7	Guide bushing	Brass
8	Axis	INOX
9	Gasket 2.6 x 1.9	NBR
10	Closing washer	Brass
11	Membrane	EPDM
12	Buffer spring	INOX
13	Lid	Brass
14	Nut M-8	Brass
15	Screw M-8 x 55	INOX
16	Screw M-5	INOX
17	Upper washer	Brass
18	Nut M-4	INOX
19	Washer	Nylon
20	O ring 5.25 x 2.5	NBR
21	Washer M-8	INOX
22	Spring 2.25mm	INOX
23	O ring 10 x 2.5	NBR

REDUCING OR SUSTAINING PILOT



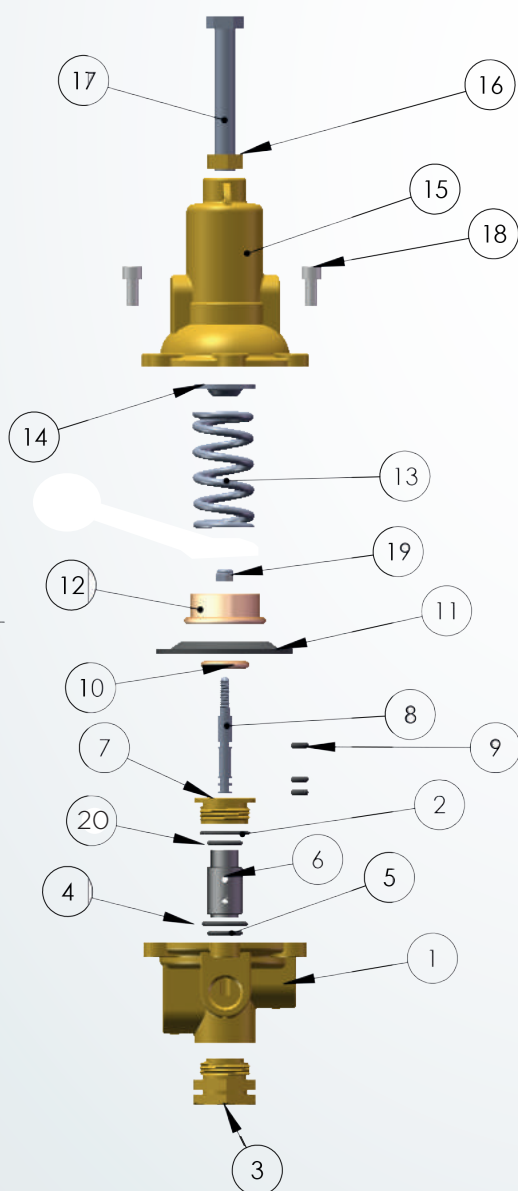
Functioning

Reduction functioning: The pilot sets the downstream pressure regardless the inlet pressure. If the outlet pressure is less than the preset pressure, the valve is completely open. If the upstream pressure is less than the calibrated, the pilot will open the valve, it will act just when the pressure exceeds the set pressure

Sustaining functioning: The pilot is designed to maintain a minimum upstream pressure if the pressure is higher than the set value. Otherwise the valve will close until the upstream pressure is equal to or greater than the tare.



Disassembly



Nº	DESCRIPTION	MATERIAL
1	Body	Brass
2	Gasket 17 x 1.5	NBR
3	Plug	Brass
4	Gasket 14 x 2	NBR
5	Gasket 10 x 2	NBR
6	Teflon	Teflon
7	Guide bushing	Brass
8	Axis	INOX
9	Gasket 2.6 x 1.9	NBR
10	Closing washer	Brass
11	Membrane	EPDM
12	Upper washer	Brass
13	Spring 3.5mm	INOX
14	Buffer Spring	INOX
15	Lid	Brass
16	Nut M-8	Brass
17	Screw M-8 x 55	INOX
18	Screw M-5	INOX
19	Nut M-4	INOX
20	O ring 10 x 2.5	NBR



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WHEN WATER COUNTS

CUANDO EL AGUA ES LO QUE CUENTA

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