

DN 6 to 16
to max. WP 400 bar

- One-piece housing
- Low pressure drop

TOP COAT



ARGUS LBS excess flow check valves are installed in systems to prevent the medium escaping through line breaks.

Under normal operation, they are open and installed near to a tank or cylinder to be protected. They close if excess flow speeds occur.

Each excess flow check valve is rated for maximum flow speed.

The excess flow check valve is held in the OPEN position by a compression spring.

If the spring pre-tension is exceeded, the poppet valve moves in the valve seat and closes the line. Outside influences, e.g. sudden movements, impact on moving devices, installed position, can create axial forces and thereby changes in the closing volume.

If the user is unable to prevent from such influences, system tests must be run.

The excess flow check valve has to be installed as close as possible to the component to be protected (tank or cylinder), whereby high flow resistances between the element to be protected and the excess flow check valve are to be prevented.

Material

Galvanized steel housing and poppet valve – Brass valve stem guide – Steel spring compression spring. TOP COAT Cr-III zinc plating with additional trivalent passivation for outstanding surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 and DIN 51525. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range:

from -30 °C to +125 °C

Closing volume l/min:

at 35 cSt (4.7°E) max. $a \leq 1 \text{ m/s}^2$ (ref. table)

Viscosity range:

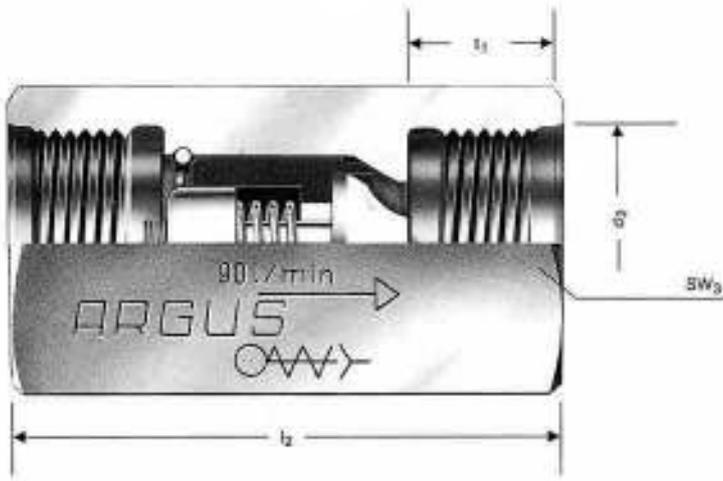
to 400 cSt (53 °E)

Other closing volumes and connection types on request.

Specific instructions for installation, use and maintenance are separately provided.

Symbol:

ARGUS



EXCESS FLOW CHECK VALVE - LBS

Female thread

Item Code	Part Number				Closing volume l/min	WP bar	Thread	d ₂ inch / mm	l ₂ mm	t ₁ mm	SW ₃ mm
		DASH	DN	inch							
1228909	R1Q-399661	-4	6	1/4	40	400	MET	M16x1,5	50	14	22
1228908	R1Q-399660	-4	6	1/4	40	400	BSPP	3/8	50	14	22
1228911	R1Q-399663	-6	10	3/8	90	315	MET	M22x1,5	57	16	27
1228910	R1Q-399662	-6	10	3/8	90	315	BSPP	1/2	57	16	27
1228912	R1Q-399665	-10	16	5/8	200	250	MET	M30x1,5	73	18	36
1219717	R1Q-399664	-10	16	5/8	200	250	BSPP	1	73	18	41