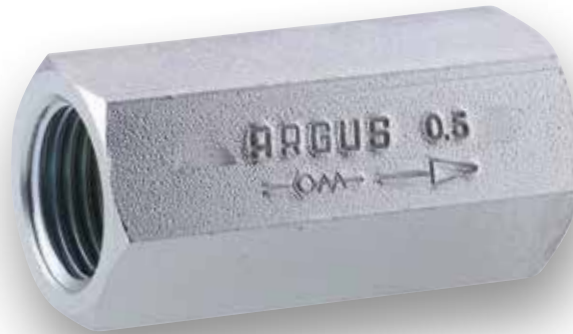


**DN 6 to 25**  
to max. WP 400 bar

- One-piece housing
- Low pressure drop

**TOP COAT**



Non return valves enable a flow in one direction and block it in the opposite direction. They therefore belong to the group of check valves (DIN 24300).

**ARGUS non return valves** guarantee an extremely low-resistant flow through their streamlined internal parts.

The valves are sealed by spring-hydraulic poppets and washer. Stroke limitation ensures free outlet opening. Depending on opening pressure, they can also be used as a suction and safety valve.

**Materials**

Galvanized steel housing and poppet valve – Brass housing also available – Brass valve stem guide – TPE seals (PTFE optional). 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.

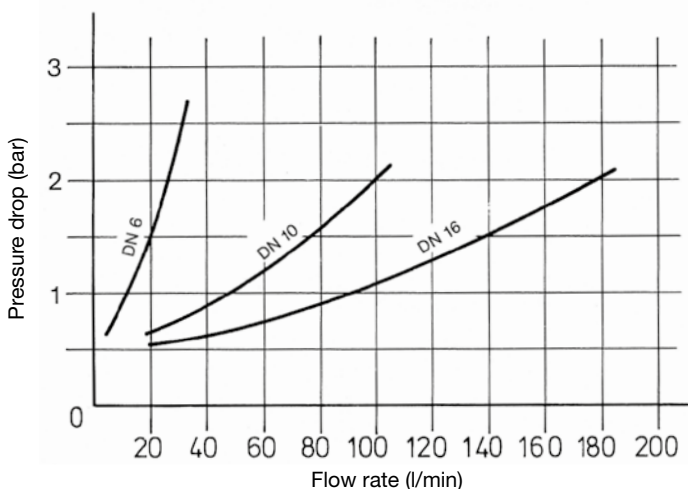
**Opening pressure:** 0.5, 2 or 4 bar; other opening pressures available on request.

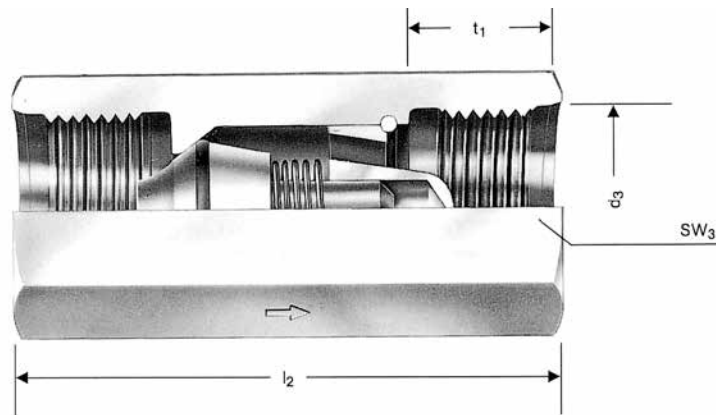
**Viscosity range:** to 400 cSt (53 °E).

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

Symbol:

**Flow resistance with 35 cm<sup>2</sup>/s hydraulic oil**




**NON RETURN VALVE – RV**
**Female thread**

Item Code	Part Number				Opening pressure bar	WP bar	Thread	d <sub>3</sub> inch / mm	l <sub>2</sub> mm	t <sub>1</sub> mm	SW <sub>3</sub> mm
		DASH	DN	inch							
1232166	R1V-399838	-4	6	1/4	0,5	400	BSPP	1/4	50	14	19
1232156	R1V-399824	-4	6	1/4	2	400	BSPP	1/4	50	14	19
1232157	R1V-399851	-4	6	1/4	4	400	BSPP	1/4	50	14	19
1228914	R1Q-399806	-6	10	3/8	0,5	400	MET	M16x1,5	50	14	22
1219731	R1Q-399807	-6	10	3/8	0,5	400	BSPP	3/8	50	14	22
1232158	R1V-399834	-6	10	3/8	2	400	BSPP	3/8	50	14	22
1232159	R1V-399835	-6	10	3/8	4	400	BSPP	3/8	50	14	22
1228915	R1Q-399810	-8	13	1/2	0,5	315	MET	M22x1,5	57	16	27
1219730	R1Q-399811	-8	13	1/2	0,5	315	BSPP	1/2	57	16	27
1232160	R1Q-399846	-8	13	1/2	2	315	BSPP	1/2	57	16	27
1232161	R1Q-399815	-8	13	1/2	4	315	BSPP	1/2	57	16	27
1232167	R1V-399839	-12	19	3/4	0,5	250	BSPP	3/4	65	16	36
1232162	R1V-399836	-12	19	3/4	2	250	BSPP	3/4	65	16	36
1232163	R1V-399862	-12	19	3/4	4	250	BSPP	3/4	65	16	36
1228918	R1Q-399816	-16	25	1	0,5	250	MET	M30x1,5	73	18	36
1228917	R1Q-399817	-16	25	1	0,5	250	BSPP	1	73	18	41
1232164	R1Q-399894	-16	25	1	2	250	BSPP	1	73	18	41
1232165	R1V-399865	-16	25	1	4	250	BSPP	1	73	18	41

BSPP connection according to DIN 3852-2-X, metric connection according to DIN 3852.

**DN 6 to 25**  
to max. WP 400 bar

- One-piece housing
- Low pressure drop



**ARGUS PRV cartridge non return valves**

are designed for direct installation into device or machine housings. They enable a flow in one direction and block it in the opposite direction. They therefore belong to the group of check valves (DIN 24300).

ARGUS PRV cartridge non return valves ensure particularly low-resistance flow through their streamlined internal parts.

The valves are sealed by spring-loaded poppets and washer. Stroke limitation ensures free outlet opening.

Depending on opening pressure, they can also be used as suction and safety valves.

**Materials**

Gunmetal housing, galvanized steel valve – Brass valve stem guide – Steel spring compression spring – TPE seals (PTFE optional). Cr-III zinc plating through additional passivation for improved surface protection.

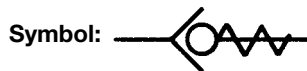
**Suitable** for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 and DIN 51525. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

**Temperature range:** from -30 °C to +100 °C.

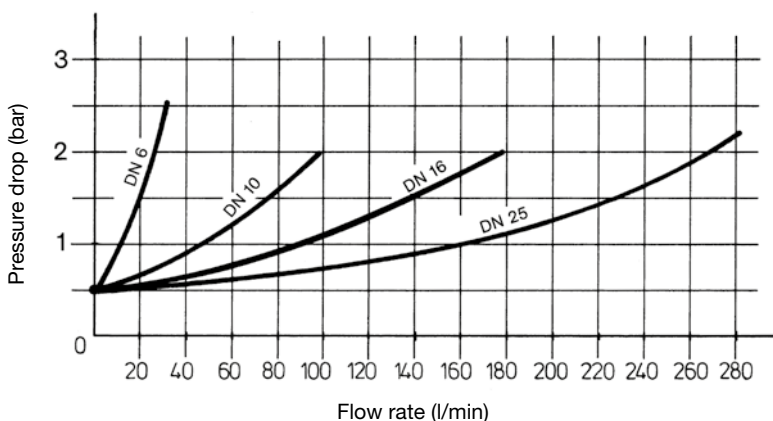
**Opening pressure:** 0.5 bar; other opening pressures available on request.

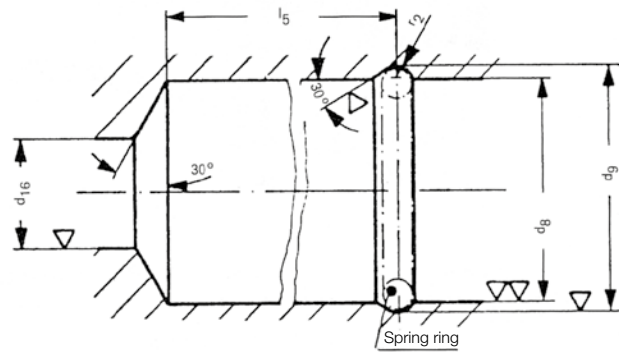
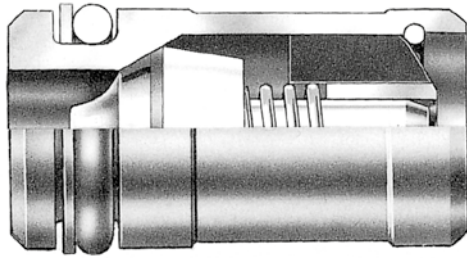
**Viscosity range:** to 400 cSt (53 °E).

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




**Flow resistance with 35 cm<sup>2</sup>/s hydraulic oil**





**NON RETURN VALVE – PRV**

**Cartridge**

Item Code	Part Number				Opening pressure bar	WP bar	$d_8 / H_9$ mm	$d_9$ +0,1 mm	$d_{16}$ mm	$l_5$ +0,5 mm	$r_2$ mm
		DASH	DN	inch							
1228905	R1Q-399700	-4	6	1/4	0,5	400	16	17,6	10	30,2	0,9
1219732	R1Q-399710	-6	10	3/8	0,5	315	22	24,0	16	36,5	1,1
1228906	R1Q-399720	-5	16	5/8	0,5	315	32	34,5	25	50,7	1,4
1228907	R1Q-399730	-16	25	1	0,5	315	50	52,5	32	72,0	1,4

**SPECIAL ITEMS**

Customised versions of cartridge non return valves. ARGUS can develop check valves according to customer's needs or specifications.

**MIL Standard**



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)

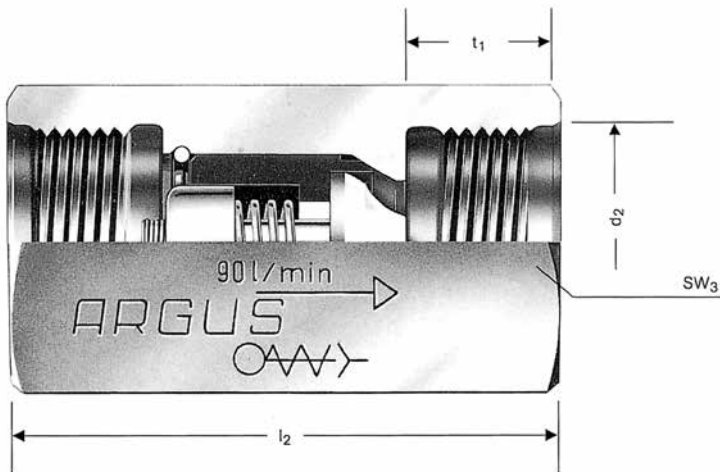
#### Viscosity range:

to 400 cSt (53 °E)

Other closing volumes and connection types on request.

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

Symbol:



**EXCESS FLOW CHECK VALVE - LBS**

**Female thread**

Item Code	Part Number				Closing volume l/min	WP bar	Thread	d <sub>2</sub> inch / mm	l <sub>2</sub> mm	t <sub>1</sub> mm	SW <sub>3</sub> 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