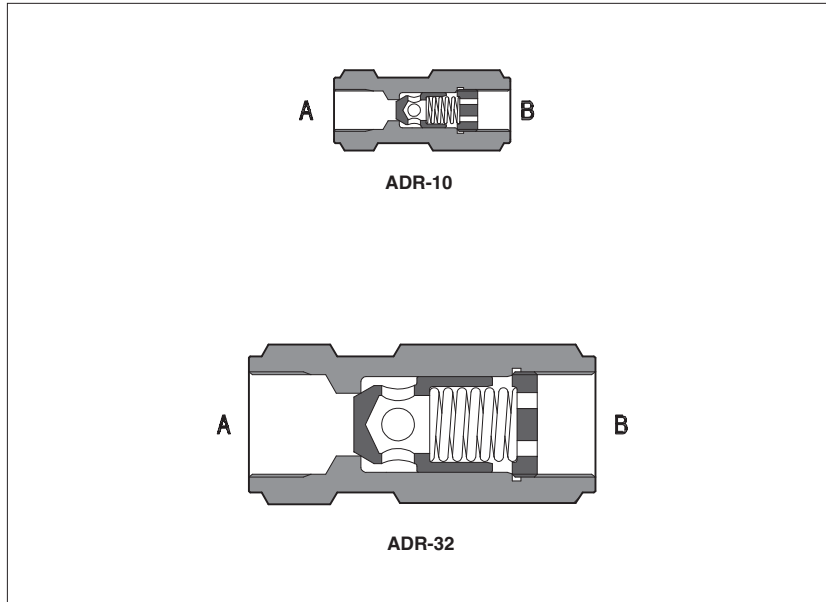


Check valves type ADR

in-line mounting - from G 1/4" to G 1 1/4" threaded ports



ADR are direct operated check valves for in-line mounting available with port size from 1/4" to 1 1/4" GAS.

Cartridge designed to operate in hydraulic systems with hydraulic mineral oil or synthetic fluid having similar lubricating characteristics.

Flow up to **500 l/min**
Pressure up to **400 bar**

1 MODEL CODE

ADR	-	10	/	4	**
Check valve in-line mounting					Series number
Size/threaded connections:		Cracking pressure:			
06 = G 1/4"		- = 0,5 bar			
10 = G 3/8"		/2 = 2 bar			
15 = G 1/2"		/4 = 4 bar			
20 = G 3/4"		/8 = 8 bar			
25 = G 1"					
32 = G 1 1/4"					

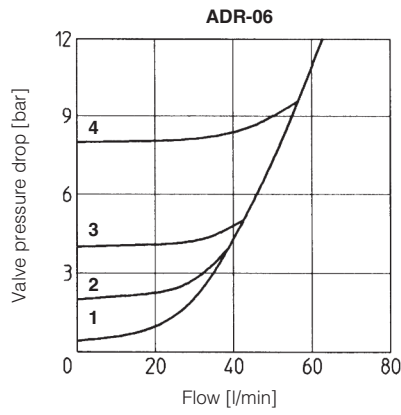
2 HYDRAULIC CHARACTERISTICS

Hydraulic symbol						
Valve model	ADR-06	ADR-10	ADR-15	ADR-20	ADR-25	ADR-32
Max recommended flow [l/min]	40	80	150	300	360	500
Max pressure [bar]	400			350		

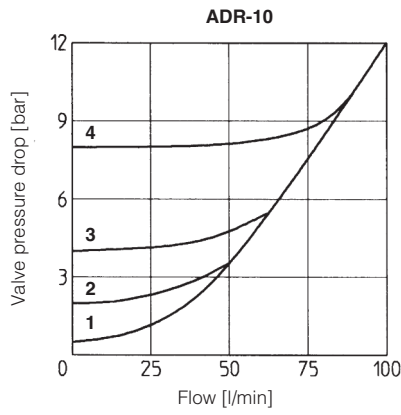
3 MAIN CHARACTERISTICS OF CHECK VALVES TYPE ADR

Assembly position / location	Any position
Fluid	Hydraulic oil as per DIN 51524 ... 535;
Recommended viscosity	15 ÷ 100 mm ² /s - max allowed range 2,8 ÷ 500 mm ² /s
Fluid contamination class	ISO 4406 class 21/19/16 NAS 1638 class 10, in line filters of 25 µm (β ₂₅ ≥ 75 recommended)
Fluid temperature	T ≤ 80°C
Flow direction	As shown in the symbol at section 2
Rated flow	See diagrams Q/Δp at section 4

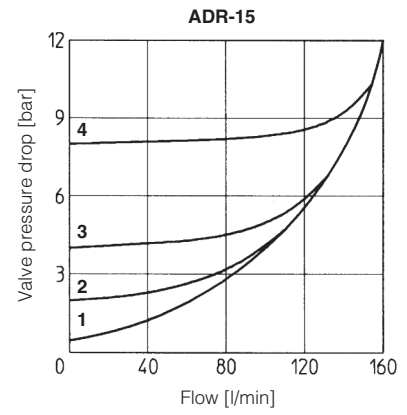
4 FLOW VERSUS PRESSURE DROP DIAGRAMS Based on based on mineral oil ISO VG 46 at 50°C



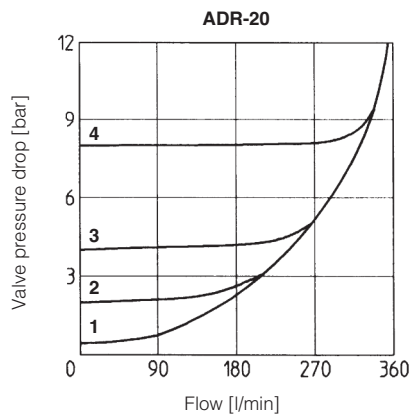
- 1 = ADR-06
- 2 = ADR-06/2
- 3 = ADR-06/4
- 4 = ADR-06/8



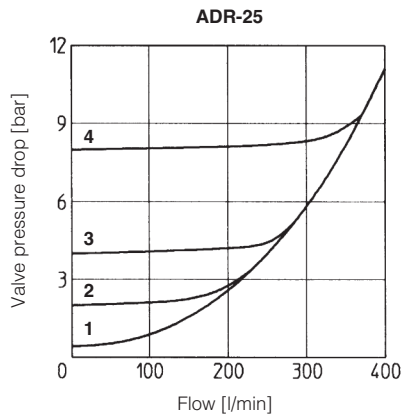
- 1 = ADR-10
- 2 = ADR-10/2
- 3 = ADR-10/4
- 4 = ADR-10/8



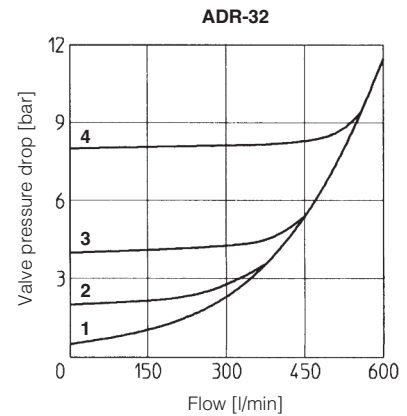
- 1 = ADR-15
- 2 = ADR-15/2
- 3 = ADR-15/4
- 4 = ADR-15/8



- 1 = ADR-20
- 2 = ADR-20/2
- 3 = ADR-20/4
- 4 = ADR-20/8

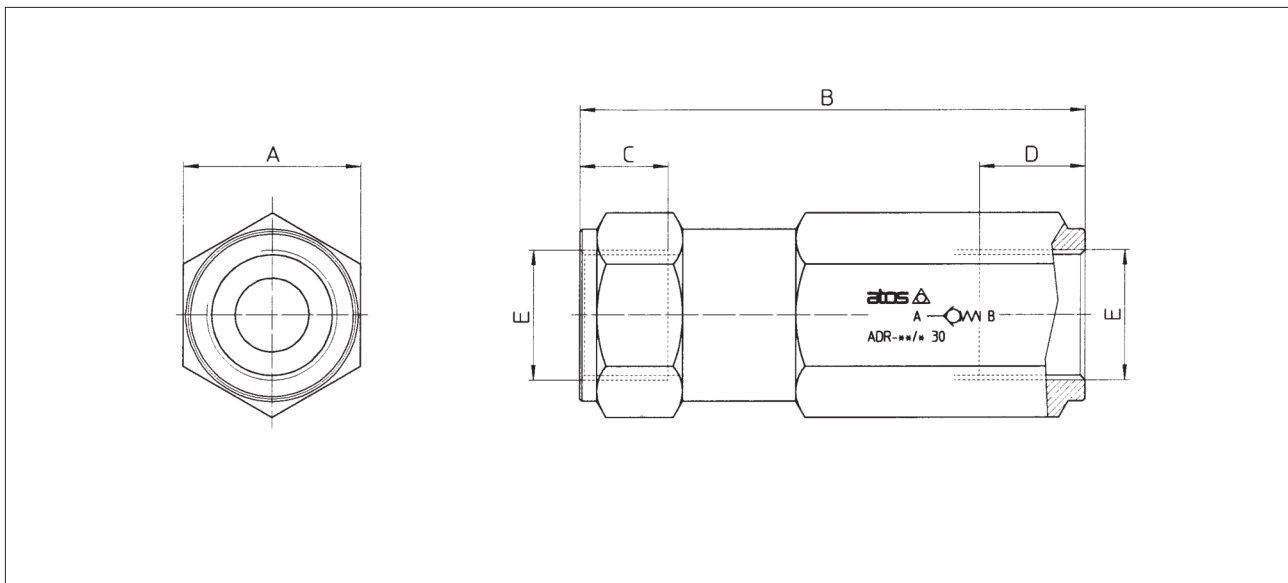


- 1 = ADR-25
- 2 = ADR-25/2
- 3 = ADR-25/4
- 4 = ADR-25/8



- 1 = ADR-32
- 2 = ADR-32/2
- 3 = ADR-32/4
- 4 = ADR-32/8

5 DIMENSIONS [mm]



Model	A	B	C	D	E	Mass [kg]
ADR - 06	22	67	12	13	G 1/4"	0,2
ADR - 10	27	70	12	13	G 3/8"	0,4
ADR - 15	32	82,5	14	17	G 1/2"	0,6
ADR - 20	36	102,5	16	21,5	G 3/4"	0,9
ADR - 25	46	120	18	24,5	G 1"	2,1
ADR - 32	55	137,5	20	23	G 1 1/4"	2,5