

ADR Check valves

Direct, in line



Sizes
G1/4" - G1 1/4"

Qmax
500
l/min

Pmax
400
bar

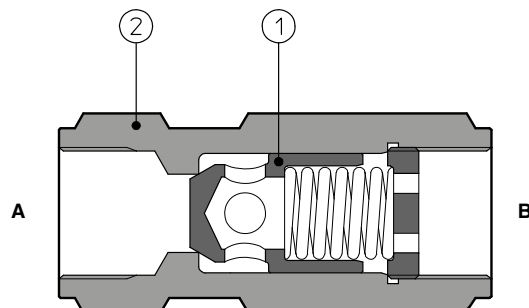
Features

- Threaded ports G1/4" to G1 1/4"
- Cracking pressure 0,5 bar to 8 bar

Description

ADR are direct operated check valves for in-line mounting available with port size from G1/4" to G1 1/4".

Overview



- 1 - Check valve
2 - External exagon

ADR-32

1 MODEL CODE

ADR	-	10	/	4		*	/	*
1		2		3		4		5

1 - Valve type	
ADR	Check valve, in-line mounting
2 - Valve size and ports dimensions	
06	G1/4"
10	G3/8"
15	G1/2"
20	G3/4"
25	G1"
32	G1 1/4"

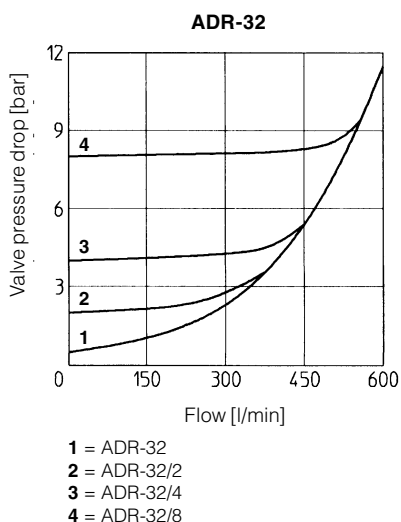
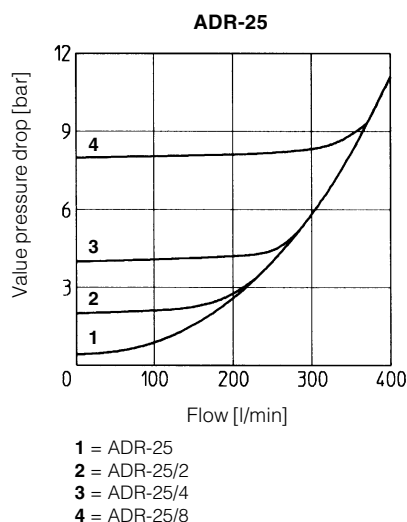
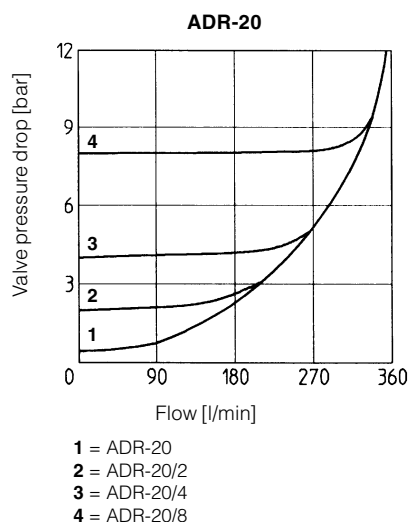
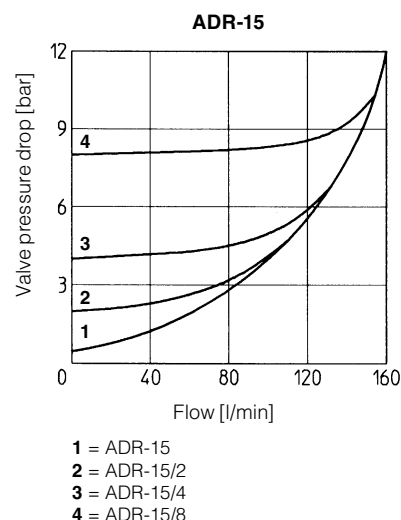
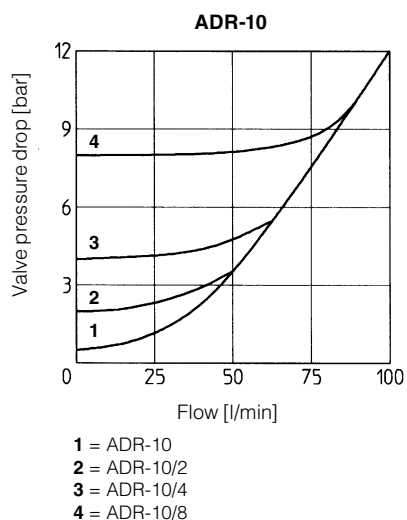
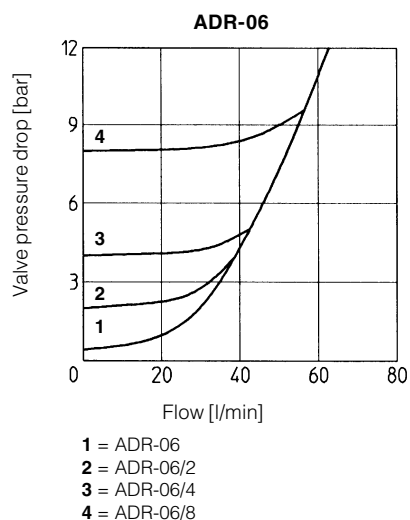
3 - Cracking pressure	
-	0,5 bar
2	2 bar
4	4 bar
8	8 bar
4 - Series identification - not required for ordering	
.....	series number
5 - Seals material	
-	NBR
BT	NBR low temperature

2 HYDRAULIC CHARACTERISTICS

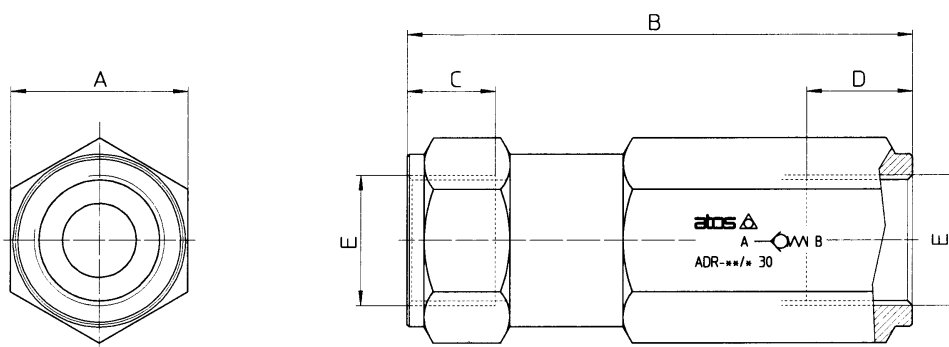
Hydraulic symbol 						
Valve model	ADR-06	ADR-10	ADR-15	ADR-20	ADR-25	ADR-32
Max pressure [bar]	400		350			
Max flow [l/min]	40	80	150	300	360	500
Max flow [l/min]	40	80	150	300	360	500

3 MAIN CHARACTERISTICS, SEALS AND FLUIDS - for other fluids not included in below table, consult our technical office

Assembly position	Any position
Compliance	RoHS Directive 2011/65/EU as last update by 2015/863/EU REACH Regulation (EC) n°1907/2006
Fluid	Hydraulic oil as per DIN 51524 ... 535;
Fluid temperature	Standard version = -20°C ÷ +80°C BT option = -40°C ÷ +80°C
Recommended viscosity	15 ÷ 100 mm²/s - max allowed range 2,8 ÷ 500 mm²/s
Max fluid contamination level	ISO4406 class 20/18/15 NAS1638 class 9, see also filter section at www.atos.com or KTF catalog
Flow direction	As shown in the symbol at section 2
Rated flow	See diagrams Q/Δp at section 4



4 DIMENSIONS [mm]



Valve 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

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