

## ATR SERIES CHECK VALVES

### INTRODUCTION

One-way valve for in-line use. Suitable for any type of hydraulic system using liquids that are not highly viscous. The standard types are in zinc plated carbon steel and are therefore especially suitable for non-corrosive mineral based oils and liquids.

### FEATURES

Standard types:

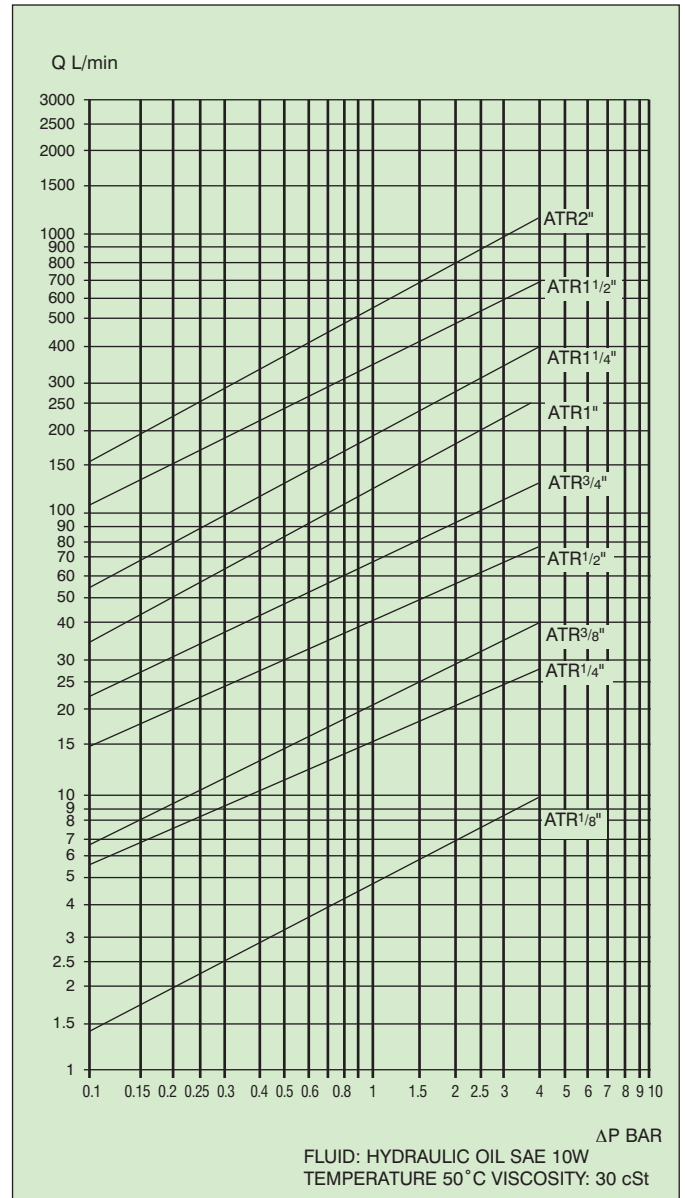
- ★ Good pressure / flow characteristics, see graphs.
- ★ Valve body in zinc plated carbon steel.
- ★ Piston in carbon steel.
- ★ Internal spring in silicon steel - stabilized.
- ★ Cracking points 5 psi and 65 psi are standard, other values on request.

### ALTERNATIVE USES

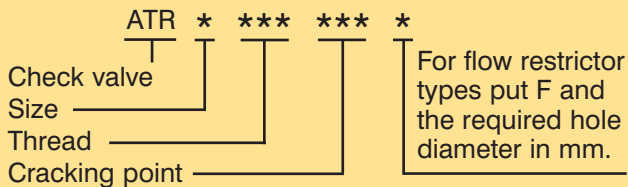
As a pressure sequence valve by changing the internal spring to an appropriate 'cracking point' value. For flow restrictor check valves a central bleed hole can be provided, sized to customer requirements.



### PRESSURE DROP CHARACTERISTICS

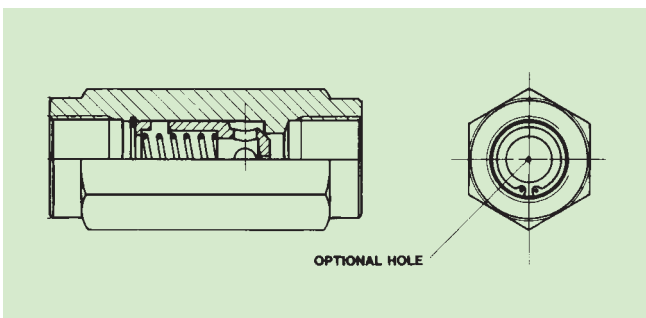


### ORDERING INFORMATION

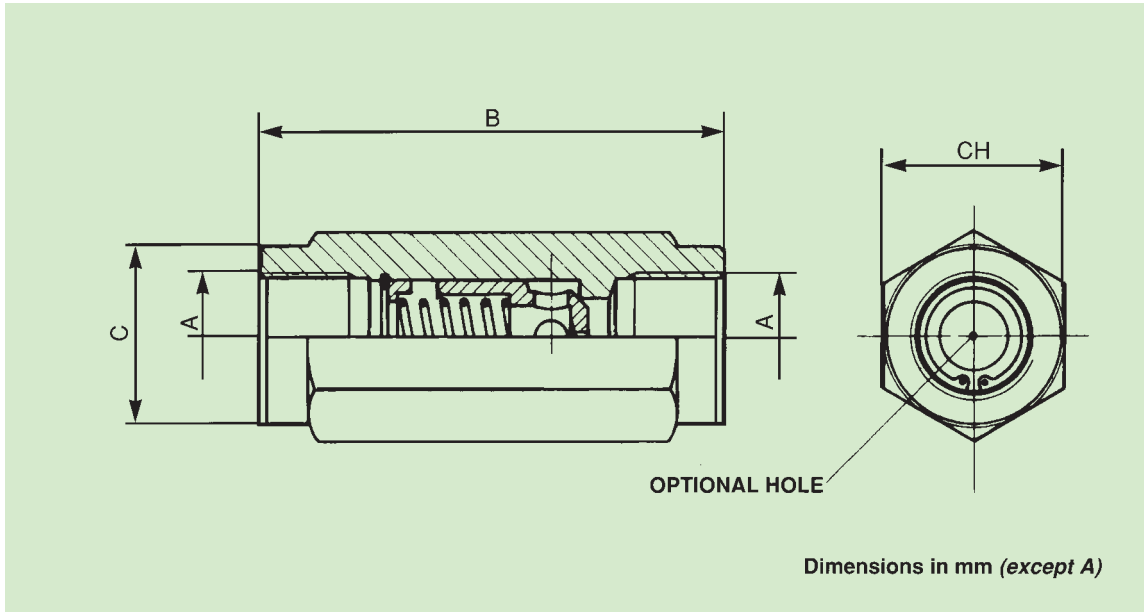


#### Example ATR 1/2" BSP 5 psi F 0.5

This is a flow restrictor check valve with a 1/2" BSP thread, 5 psi cracking point and 0.5 mm diameter hole in the piston.



## ATR SERIES, CHECK VALVES



### DIMENSIONS AND PRESSURE RATINGS

CHECK VALVE SIZE	Nominal diameter	Maximum working pressure in bar	A*	B	C	CH	Cracking point - bar (psi value in brackets) 5 and 65 psi options are standard. Table shows typical values only. Other values available on request						
							0.35 (5)	1.0 (14)	4.5 (65)	15 (215)	-	-	-
ATR 1/4"	6.3	400	1/4"	60	18.5	19	0.35 (5)	1.0 (14)	4.5 (65)	15 (215)	-	-	-
ATR 3/8"	10	400	3/8"	70	23.5	24	0.35 (5)	4.5 (65)	-	-	-	-	-
ATR 1/2"	12	350	1/2"	77	29.5	30	0.35 (5)	1.0 (14)	2.0 (28.5)	4 (57)	4.5 (65)	8 (115)	20 (285)
ATR 3/4"	20	350	3/4"	90	35.5	36	0.35 (5)	4.5 (65)	8 (115)	-	-	-	-
ATR 1"	25	350	1"	106	44.5	45	0.35 (5)	1.5 (21)	4.5 (65)	10 (140)	-	-	-
ATR 1 1/4"	31.5	250	1 1/4"	125	54.5	55	0.35 (5)	1 (14)	4.5 (65)	-	-	-	-
ATR 1 1/2"	40	250	1 1/2"	140	64.5	65	0.35 (5)	2.5 (35)	4.5 (65)	-	-	-	-
ATR 2"	50	250	2"	160	74.5	75	0.35 (5)	4.5 (65)	-	-	-	-	-

\* BSP is standard, NPT, SAE and Metric available on request.

Dimensions in mm (except A).

**All dimensions shown are for guidance only, if critical contact  
Holmbury Technical Department**