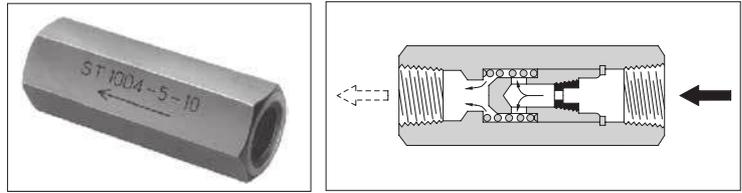


## Air Bleed Valves

These air bleed valves are designed to use, at the start-up of the pumps, to bleed off the air enclosed in the suction line or the other lines in the system.



### Specifications

Model Numbers	Max. Operating Pressure MPa (PSI)	Reseating Pressure MPa (PSI)	Cracking Pressure MPa (PSI)	Flow Rate to Reseating L/min (U.S.GPM)	Range of Usage to Pump Output Flow	Approx. Mass kg (lbs.)
ST1004-5-10*	25 (3630)	0.15 (22)	0.34 (49)	5 (1.32)	For 20 to 75 L/min (5.28 to 19.8 U.S.GPM)	0.2 (.44)
ST1004-10-10*				10 (2.64)	For Over 75 L/min (19.8 U.S.GPM)	

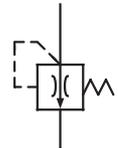
### Model Number Designation

ST1004	-5	-10	*
Series Number	Flow Rate to Reseating	Design Number	Design Standards
<b>ST1004:</b> Air Bleed Valve	<b>5:</b> 5 L/min (1.32 U.S.GPM) <b>10:</b> 10 L/min (2.64 U.S.GPM)	<b>10</b>	<b>None:</b> Japanese Standard "JIS" <b>80:</b> European Design Standard <b>90:</b> N. American Design Standard

### Instructions

When the valve is used to bleed off the air from the pump, connect the inlet port of the valve to the discharge port of the pump as close as possible. When removing the air from the pipes, install the valve at the highest position of the system. In either case, the outlet port of the valve must be connected to the tank, the end of which is located below the oil level in the reservoir.

### Graphic Symbol



### Hydraulic Fluids

#### Type of Hydraulic Fluids

Petroleum Base Oils .....Use R & O (Rust and Oxidation inhibitor) type oils or anti-wear type oils (equivalent to ISO VG-32 or 46)

Synthetic Fluids .....Use phosphate ester type fluid or polyol ester type fluids.

Water Containing Fluids ..Use water glycol type fluids or water in oil emulsion type fluids.

Other Special Fluids .....Consult factory for information.

#### Recommended viscosity and Oil Temperatures

Viscosity ranging between 15 and 400 mm<sup>2</sup>/s (77 and 1800 SSU).

Oil temperatures between -15 and +70°C (5 and 160°F)

Use hydraulic fluids which satisfy the recommended viscosity and oil temperatures given above.

#### Filtration Recommended...25 microns or less.

ST1004-\*-10/1080/1090

Model Numbers	"A" Thd.	mm (Inches)	
		B	C
ST1004-*-10	Rc 3/8	70 (2.76)	24 (.94)
ST1004-*-1080	3/8 BSPF	82 (3.23)	27 (1.06)
ST1004-*-1090	3/8 NPT	70 (2.76)	24 (.94)

**DIMENSIONS IN MILLIMETRES (INCHES)**