



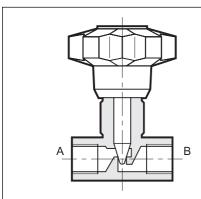
RS* DOUBLE-ACTING THROTTLE FLOW CONTROL VALVE SERIES 30

THREADED PORTS CARTRIDGE TYPE

p max (see technical specifications table)

Q max (see technical specifications table)

OPERATING PRINCIPLE



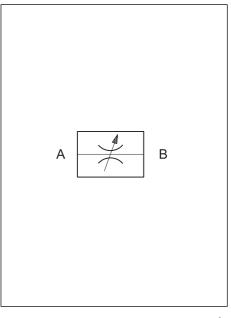
- The RS* and RS*-I valves are throttle flow control valves for in-line mounting, directly in the line or as a cartridge complete with threading for in-block mounting.
- Adjustment is obtained with a conical throttle that operates in a cylindrical seat and allows a good linearity of the adjusted flow.
- They are also used as flow shut-off valves since they guarantee good sealing when completely closed.
- The valves are always supplied with an adjustment knob that can be locked in any
 position with a transverse positioned grub screw, as may be required.

TECHNICAL SPECIFICATIONS (obtained with mineral oil with viscosity of 36 cSt at 50°C)

Valve code	Port	Nominal	Mass	Max. operating
	dimensions	flow rate		pressure
	BSP	[l/min]	[kg]	[bar]
RS2	1/4"	15	0,2	
RS3	3/8"	30	0,4	400
RS4	1/2"	50	0,6	400
RS5	3/4"	80	1,3	
RS6	1"	150	2,6	
RS7	1.1/4"	200	3,0	320
RS8	1.1/2"	220	4,2	
RS2-I	_	15	0,15	
RS3-I	_	30	0,2	
RS4-I	_	50	0,3	320
RS5-I	_	80	0,6	
RS6-I		150	1,2	

Ambient temperature range	°C	−20 ÷ +50	
Fluid temperature range	°C	−20 ÷ +80	
Fluid viscosity range	cSt	10 ÷ 400	
Recommended viscosiy	cSt	25	
Degree of fluid contamination	According to	According to NAS 1638 class 10	

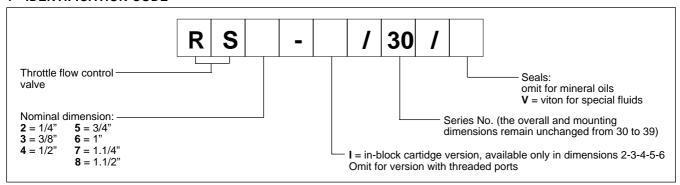
HYDRAULIC SYMBOL





RS*

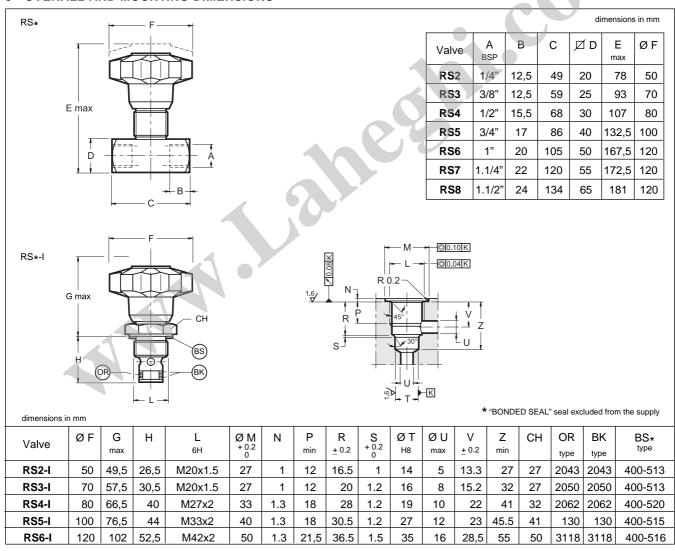
1 - IDENTIFICATION CODE



2 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids, with the addition of suitable anti-frothing and anti-oxidizing agents. For the use of other types (water glycol, phosphate esters and others), please consult our technical department.

3 - OVERALL AND MOUNTING DIMENSIONS





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