



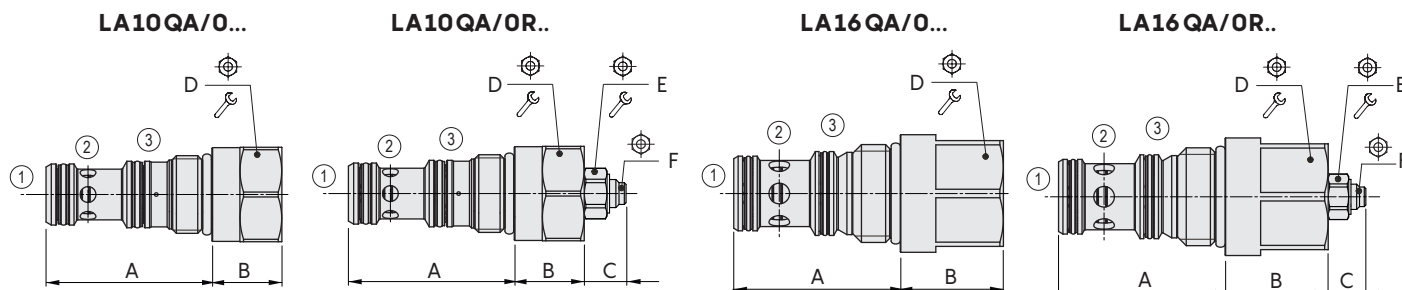
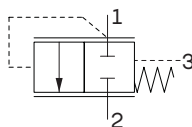
LA..QA type logic element - 3 way

- Pilot to close configuration
- Fixed or adjustable configuration with lead sealing option
- Screw type adjustable configuration with lead sealing option
- SAE10 and SAE16 cavities

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C (104°F) temperature.

	LA10QA	LA16QA
Nominal flow	80 l/min (21 US gpm)	190 l/min (50 US gpm)
Max. pressure	350 bar (5100 psi)	
Opening pressure	fixed setting: 1, 5, 10 bar (14.5, 72.5, 145 psi) adjustable setting: from 8 to 15 bar (116 to 218 psi)	
Oil leakage	at 210 bar (3050 psi) 80 cm³/min (4.88 in³/min)	230 cm³/min (14.03 in³/min)
Fluid	mineral based or synthetic hydraulic fluid with lubricating properties	
Viscosity	10-200 cSt	
Max level of contamination	20/18/14 ISO4406	
Fluid temperature	with NBR seals+Polyurethane with FPM seals	from -25°C (-13°F) to 90°C (194°F) from -20°C (-4°F) to 110°C (230°F)
Environmental temp. for working conditions	from -20°C (-4°F) to 60°C (140°F)	
Cavity	SAE 10/3Q	SAE 16/3Q
Weight	0.15 kg (0.33 lb)	0.45 kg (0.99 lb)

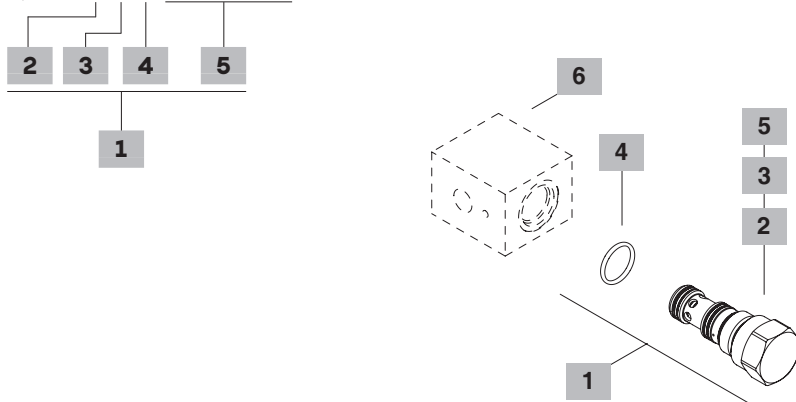
NOTE - For different conditions, please contact Walvoil Sales Dpt.



Valve type	A		B		C (max)		D		E		F	
	mm	in	mm	in	mm	in	Nm	lbft	Nm	lbft	Nm	lbft
LA10QA	47.4	1.87	42	1.65	11.9	0.47	27	70	52	13	9.8	7.2
LA16QA	56.9	2.24	35.1	1.38	24	0.94	36	100	74	13	9.8	7.2

Ordering codes and description composition

LA10QA/0 C 0 B SB=12bar



1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 10/3Q		
LA10QA/0B0B	OLA10Q002003	Fixed setting, 5 bar (72.5 psi)
LA10QA/0C0B	OLA10Q002001	Fixed setting, 10 bar (145 psi)
LA10QA/0R0B SB=12bar	OLA10Q002002	Adjustable setting, std setting 12 bar (174 psi)
SAE cavity 16/3Q		
LA16QA/0C0B	OLA16Q002000	Fixed setting, 10 bar (145 psi)
LA16QA/0R0B SB=12bar	OLA16Q002001	Adjustable setting, std setting 12 bar (174 psi)

2 Stand by

Setting is referred to 1 l/min (0.26 US gpm) flow

TYPE	DESCRIPTION
A	Fixed setting: 1 bar (14.5 psi)
B	Fixed setting: 5 bar (72.5 psi)
C	Fixed setting: 10 bar (145 psi)
R	Adjustable setting: from 8 to 15 bar (116 to 218 psi)

3 Load sensing

TYPE	DESCRIPTION
0	Without sealing
X	With sealing: for valves with adjustable stand-by only

4 Seals

TYPE	DESCRIPTION
B	NBR (Buna)+Polyurethane o-ring seals, std configuration
V	FPM (Viton) o-ring seals, contact Sales Dept

5 Stand-by setting

To be specified only with adjustable stand-by valve

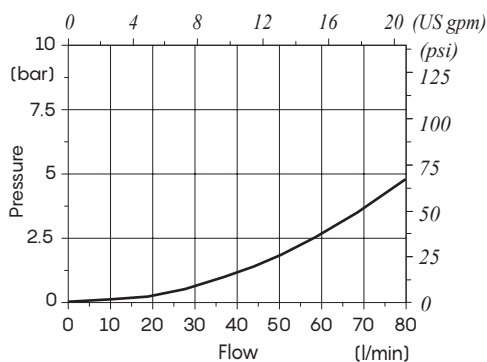
6 Valve body

TYPE	CODE	DESCRIPTION
SAE10/3Q-G 1/2	3CC1032D21	Steel body for cavity 08 valve, G 1/2 std thread
SAE16/3Q-G 3/4	3CC1632E21	Steel body for cavity 16 valve, G 3/4 std thread

For aluminium bodies or different threading see from page 210

Rating diagrams

LA10QA pressure drop
(fully open)



LA16QA pressure drop
(fully open)

