



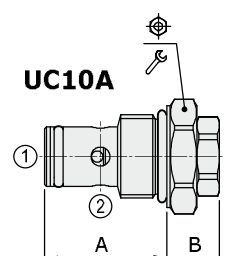
UC..A type check valves - 2 ways

- Poppet type
- From SAE08 to SAE16 cavities

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

		UC08A	UC10A	UC12A	UC16A
Nominal flow		up to 20 l/min (5.3 US gpm)	up to 35 l/min (9.2 US gpm)	up to 50 l/min (13 US gpm)	up to 100 l/min (26 US gpm)
Max. pressure		350 bar (5100 psi)			
Oil leakage	at 100 bar (1450 psi)	0.25 cm ³ /min (0.015 in ³ /min)	0.25 cm ³ /min (0.015 in ³ /min)	0.25 cm ³ /min (0.015 in ³ /min)	0.25 cm ³ /min (0.015 in ³ /min)
Fluid		mineral based oil			
Viscosity		10-200 cSt			
Max level of contamination		20/18/14 ISO4406			
Fluid temperature	with NBR seals with FPM seals	from -20°C (-4°F) to 80°C (176°F) from -20°C (-4°F) to 100°C (212°F)			
Environmental temp. for working conditions		from -20°C (-4°F) to 50°C (122°F)			
Cavity		SAE 08/2	SAE 10/2	SAE 12/2	SAE 16/2
Weight		0.080 kg (0.18 lb)	0.090 kg (0.20 lb)	0.180 kg (0.40 lb)	0.370 kg (0.81 lb)

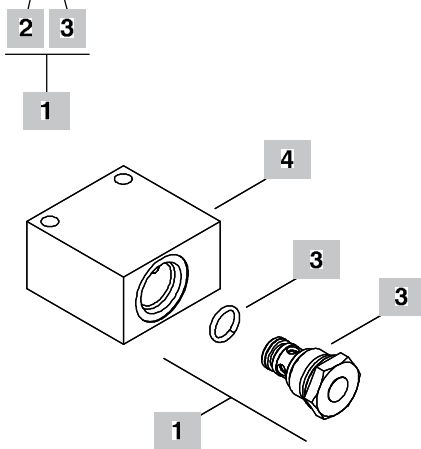
NOTE - For different conditions, please contact Walvoil Sales Dpt.



Valve type	A		B				
	mm	in	mm	in	Nm	lbf·ft	
UC08A	27.6	1.09	15.5	0.61	24	30	22
UC10A	32.3	1.27	12.5	0.49	27	50	37
UC12A	46	1.81	14	0.55	32	80	59
UC16A	45.2	1.78	25	0.98	41	100	73

Ordering codes and description composition

UC08A/001B



3 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 08/2		
UC08A/001B	0UC08002001	Opening pressure 0.5 bar (7.3 psi)
SAE cavity 10/2		
UC10A/001B	0UC10002000	Opening pressure 0.5 bar (7.3 psi)
SAE cavity 12/2		
UC12A/001B	0UC12002000	Opening pressure 0.5 bar (7.3 psi)
SAE cavity 16/2		
UC16A/001B	0UC16002001	Opening pressure 0.5 bar (7.3 psi)

1 Opening pressure from 1 to 2

TYPE	DESCRIPTION
1	0.5 bar (7.3 psi)
2	2.5 bar (36.2 psi)
3	5 bar (72.5 psi)

2 Seals

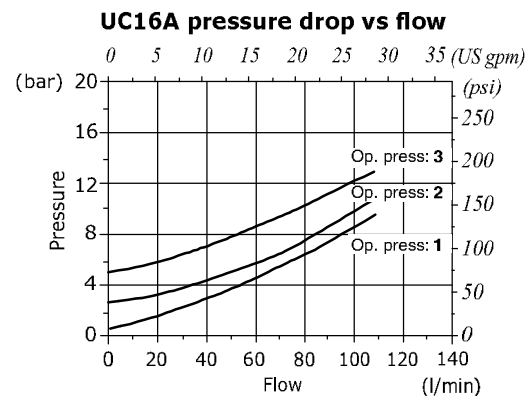
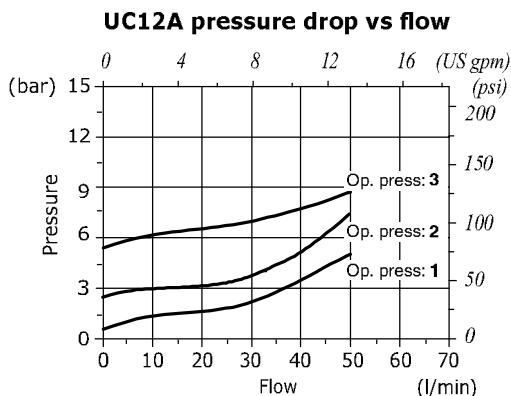
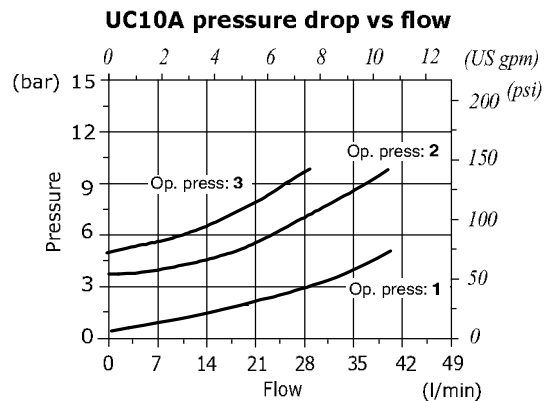
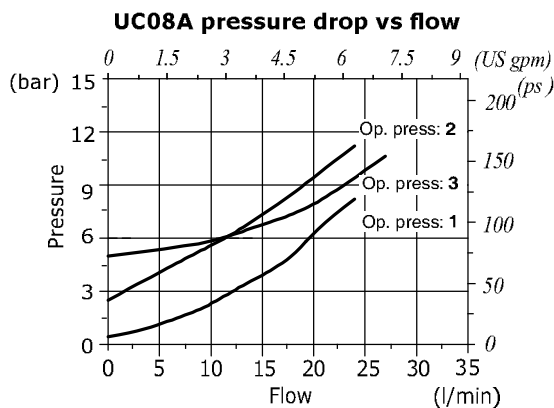
TYPE	DESCRIPTION
B	NBR (Buna) Std configuration without addition
V	For valve with FPM (Viton) o-ring seals, contact Sales Dpt.

4 Valve body

TYPE	CODE	DESCRIPTION
SAE 08/2-G 3/8	3CC0820C11	Aluminium body for cavity 08 valve, G3/8 std thread
SAE 10/2-G 3/8	3CC1020C11	Aluminium body for cavity 10 valve, G3/8 std thread
SAE 12/2-G 1/2	3CC1220D11	Aluminium body for cavity 12 valve, G1/2 std thread
SAE 16/2-G 3/4	3CC1620E11	Aluminium body for cavity 16 valve, G3/4 std thread

Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 215

Rating diagrams





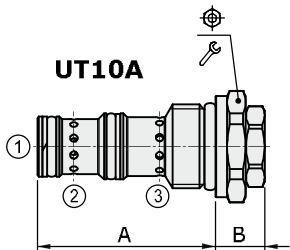
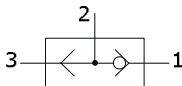
**UT..A type
check valves - 3 ways**

- Shuttle valve
- Poppet type
- From SAE08 to SAE10 cavities

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

	UT08A	UT10A
Nominal flow	15 l/min (4 US gpm)	up to 20 l/min (5.3 US gpm)
Max. pressure	350 bar (5100 psi)	
Oil leakage	-	-
Fluid	mineral based oil	
Viscosity	10-200 cSt	
Max level of contamination	20/18/14 ISO4406	
Fluid temperature	with NBR seals with FPM seals	from -20°C (-4°F) to 80°C (176°F) from -20°C (-4°F) to 100°C (212°F)
Environmental temp. for working conditions	from -20°C (-4°F) to 50°C (122°F)	
Cavity	SAE 08/3	SAE 10/3
Weight	0.080 kg (0.18 lb)	0.100 kg (0.22 lb)

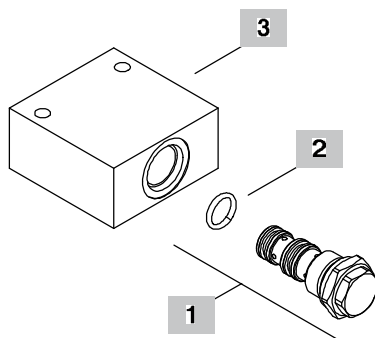
NOTE - For different conditions, please contact Walvoil Sales Dpt.



Valve type	A		B				
	mm	in	mm	in			
UT08A	40.8	1.60	12.5	0.49	24	30	22
UT10A	47.2	1.86	13	0.51	27	50	36

Ordering codes and description composition

UT08A/000B



1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 08/3		
UT08A/000B	OUT08002000	Valve assembly
SAE cavity 10/3		
UT10A/000B	OUT10002000	Valve assembly

2 Seals

TYPE	DESCRIPTION
B	NBR (Buna) Std configuration without addition
V	For valve with FPM (Viton) o-ring seals, contact Sales Dept.

3 Valve body

TYPE	CODE	DESCRIPTION
SAE 08/3-G 1/4	3CC0830B11	Aluminium body for cavity 08 valve, G1/4 std thread
SAE 10/3-G 3/8	3CC1030C11	Aluminium body for cavity 10 valve, G3/8 std thread

Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 215

Rating diagrams

