



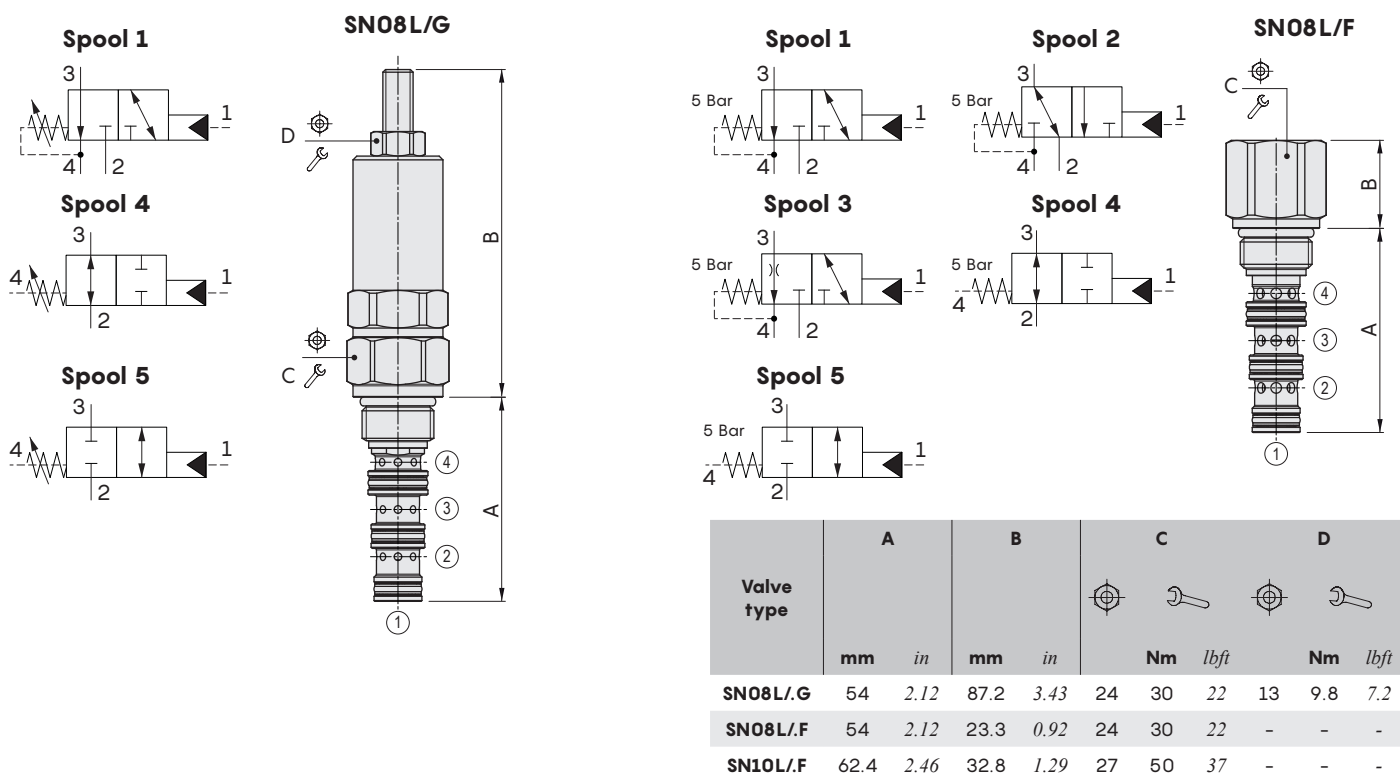
SN..L type sequence valves - 4 way

- Direct acting
- Spool type
- External pilot and drain
- Variable (G) and fixed (F) setting configurations
- The spring chamber is drained to the tank line (port 4)
- The backpressure values on line 4 must be added to valve nominal setting

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

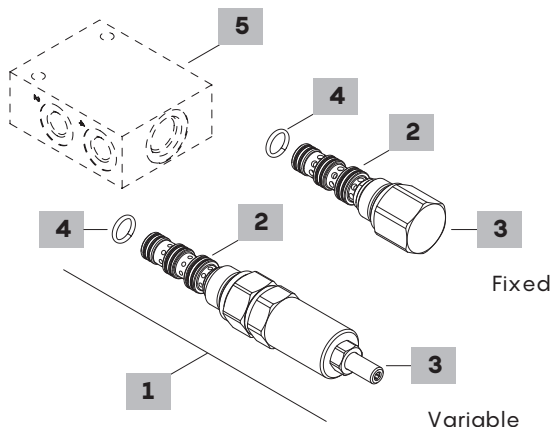
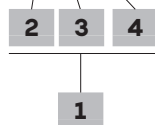
		SN08L/G	SN08L/F	SN10L/F
Nominal flow		20 l/min (5.3 US gpm)	20 l/min (5.3 US gpm)	50 l/min (13.2 US gpm)
Max. pressure		Port 4= 30 bar (435 psi) 350 bar (5100 psi)	350 bar (5100 psi)	350 bar (5100 psi)
Oil leakage	at 210 bar (3050 psi)		40 cm³/min (2.44 in³/min)	
Fluid		mineral based or synthetic hydraulic 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 08/4	SAE 08/4	SAE 10/4
Weight		0.264 kg (0.582 lb)	0.131 kg (0.289 lb)	0.213 kg (0.470 lb)

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



Ordering codes and description composition

SN08L/4G1B



1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 08/4		
<u>Variable pressure setting type</u>		
SN08L/1G1B	OSN08002015	From 30 to 90 bar (435 to 1300 psi), spool 1
SN08L/4G1B	OSN08002012	From 30 to 90 bar (435 to 1300 psi), spool 4
SN08L/5G1B	OSN08002013	From 30 to 90 bar (435 to 1300 psi), spool 5
<u>Fixed pressure setting type</u>		
SN08L/1F1B	OSN08002007	Setting 5 bar (72.5 psi), spool 1
SN08L/2F1B	OSN08002008	Setting 5 bar (72.5 psi), spool 2
SN08L/3F1B	OSN08002009	Setting 5 bar (72.5 psi), spool 3
SN08L/4F1B	OSN08002010	Setting 5 bar (72.5 psi), spool 4
SN08L/5F1B	OSN08002016	Setting 5 bar (72.5 psi), spool 5
SAE cavity 10/4		
<u>Fixed pressure setting type</u>		
SN10L/1F1B	OSN10002002	Setting 5 bar (72.5 psi), spool 1
SN10L/4F1B	OSN10002004	Setting 5 bar (72.5 psi), spool 4
SN10L/5F1B	OSN10002003	Setting 5 bar (72.5 psi), spool 5

2 Spools

TYPE	DESCRIPTION
1	Spool 1
2	Spool 2
3	Spool 3
4	Spool 4
5	Spool 5

3 Pressure setting

Setting is referred to 1 l/min (0.26 US gpm) flow	
TYPE	DESCRIPTION
G1	Variable setting from 30 to 90 bar (435 to 1300 psi)
F1	Fixed setting 5 bar (72.5 psi)
F2	Fixed setting 10 bar (145 psi)
F3	Fixed setting 20 bar (290 psi)

4 Seals

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

5 Valve body

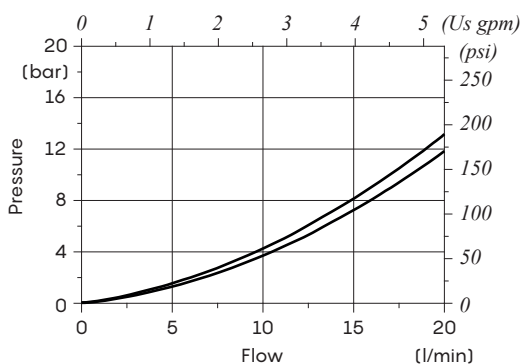
TYPE	CODE	DESCRIPTION
SAE08/4-SAE8	3CC0840K11	Aluminium body for cavity 08 valve, SAE8 std thread
SAE10/4-SAE8	3CC1040K11	Aluminium body for cavity 10 valve, SAE8 std thread

Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 212

Rating diagrams

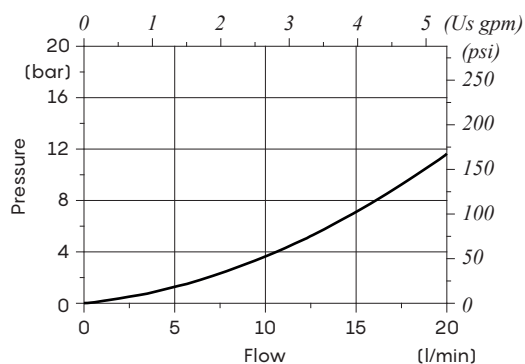
SN08L pressure drop vs. flow

- Spool 1 - Variable pressure -



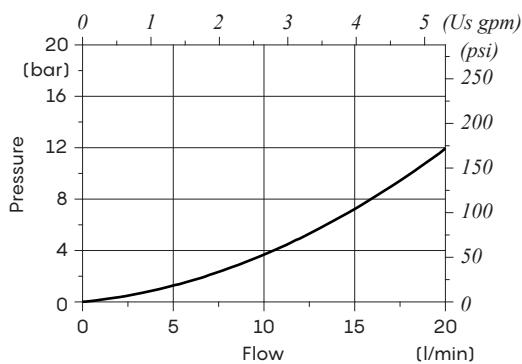
SN08L pressure drop vs. flow

- Spool 4 - Variable pressure -



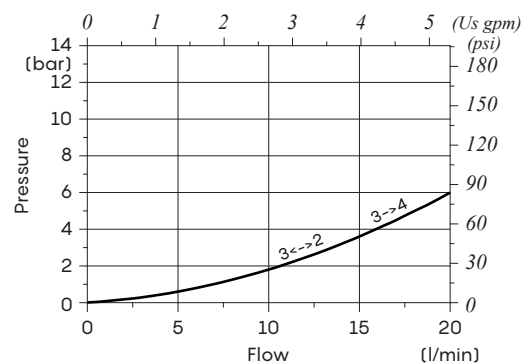
SN08L pressure drop vs. flow

- Spool 5 - Variable pressure -



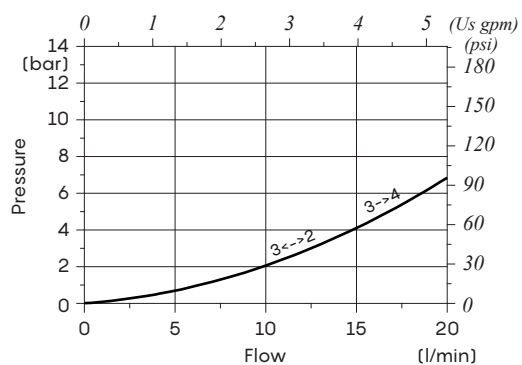
SN08L pressure drop vs. flow

- Spool 1 - Fixed pressure -



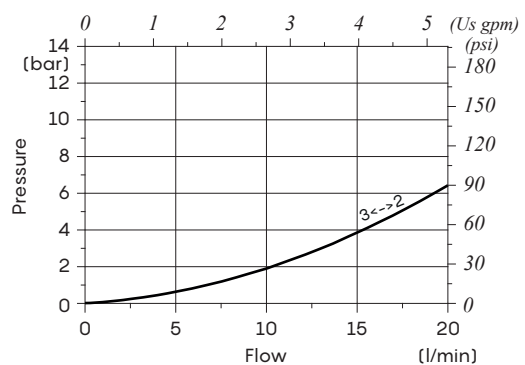
SN08L pressure drop vs. flow

- Spool 2 - Fixed pressure -



SN08L pressure drop vs. flow

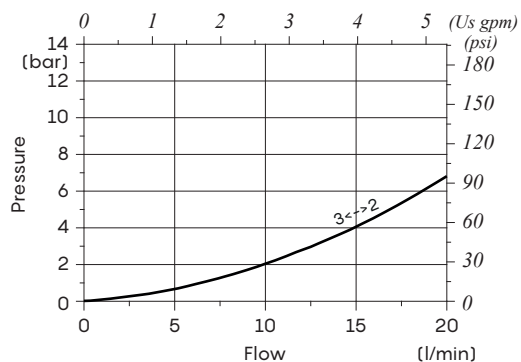
- Spool 3 - Fixed pressure -



Rating diagrams

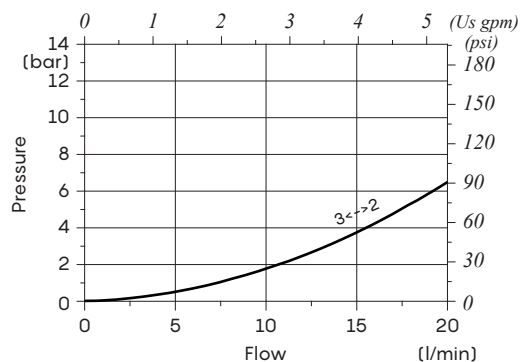
SN08L pressure drop vs. flow

- Spool 4 - Fixed pressure -



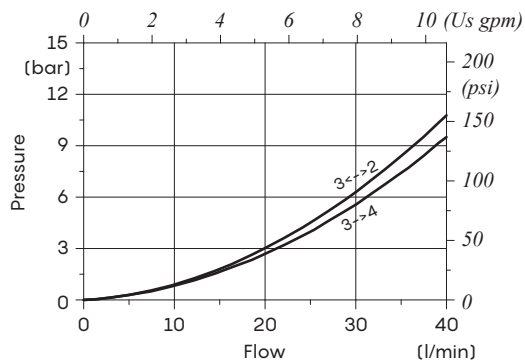
SN08L pressure drop vs. flow

- Spool 5 - Fixed pressure -



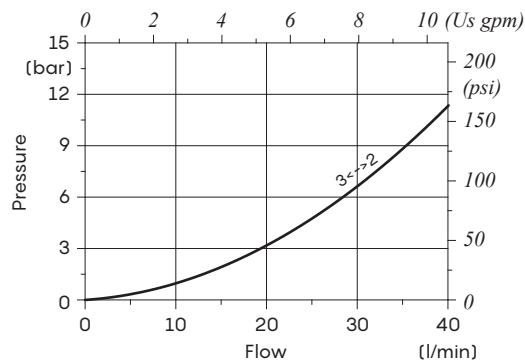
SN10L pressure drop vs. flow

- Spool 1 -



SN10L pressure drop vs. flow

- Spool 4 -



SN10L pressure drop vs. flow

- Spool 5 -

