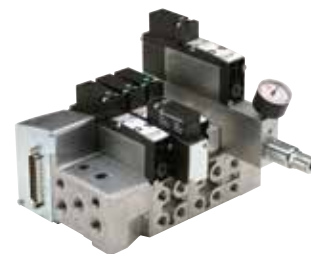


24 VDC or 115 VAC Multipole
Integrated Fieldbus
Field expandable with single add-on stations
Dual spool technology
VS18G Glandless spool and sleeve for long life
VS18S Softseal spool for high flow
Wide range of accessories
ATEX
Universal PNP/NPN 24 VDC Multipole

Technical features
Medium

Compressed air, filtered to 40 µm, lubricated or non-lubricated

Operation

VS18G: Glandless spool valve, solenoid pilot actuated

VS18S: Softseal spool valve, solenoid pilot actuated

Mounting

Sub-base

Ports 2+4

NPTF 1/8, PIF 1/4, PIF 6 and 8 mm, G1/8,

Operating pressure

Maximum pressure

145 psi (10 bar) VS18S models and VS18G solenoid pilot actuated valves with internal pilot supply

232 psi (16 bar) VS18G solenoid pilot actuated valves with external pilot supply

Details of minimum and maximum pilot pressure see overleaf.

Flow characteristics

Series	Function	Cv	L/min
VS18G	5/2	0.56	550
VS18G	5/3	0.56	550
VS18S	2x2/2	0.56	550
VS18S	2x3/2	0.61	600
VS18S	5/2	0.66	650
VS18S	5/3	0.66	650

Ambient temperature:

5°F to 122°F (-15°C to +50°C)

Medium temperature:

23°F to 122°F (-5°C to +50°C)

Consult our technical service for use below 35°F (+2°C).

Materials

Body / sub-base: die-cast aluminum

Glandless spool & sleeve (VS18G): aluminum, hard anodised, PTFE coated

Softseal spool (VS18S): aluminum with HNBR seals

Plastic parts: POM, PA, PPA

Mounting sheets / screws: steel, zinc coated

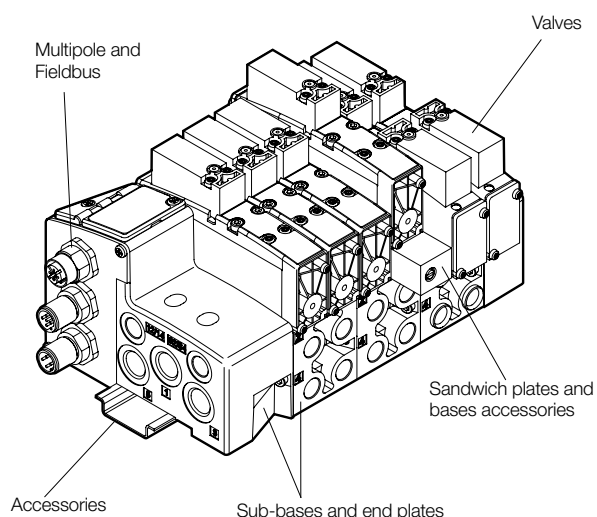
Springs: stainless steel

Sandwich plates: aluminum bar material

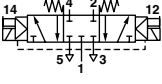
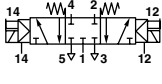
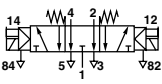
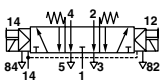
Electrical contacts: brass, tin/gold coated

PCB: glasepoxy

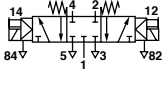
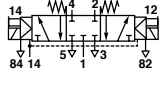
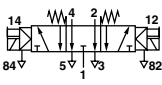
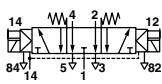
To order please use valve manifold configurator available at www.norgren.com/usa.



5/3 Double solenoid actuated Glandless valves flow = 0.56 Cv (550 l/min)

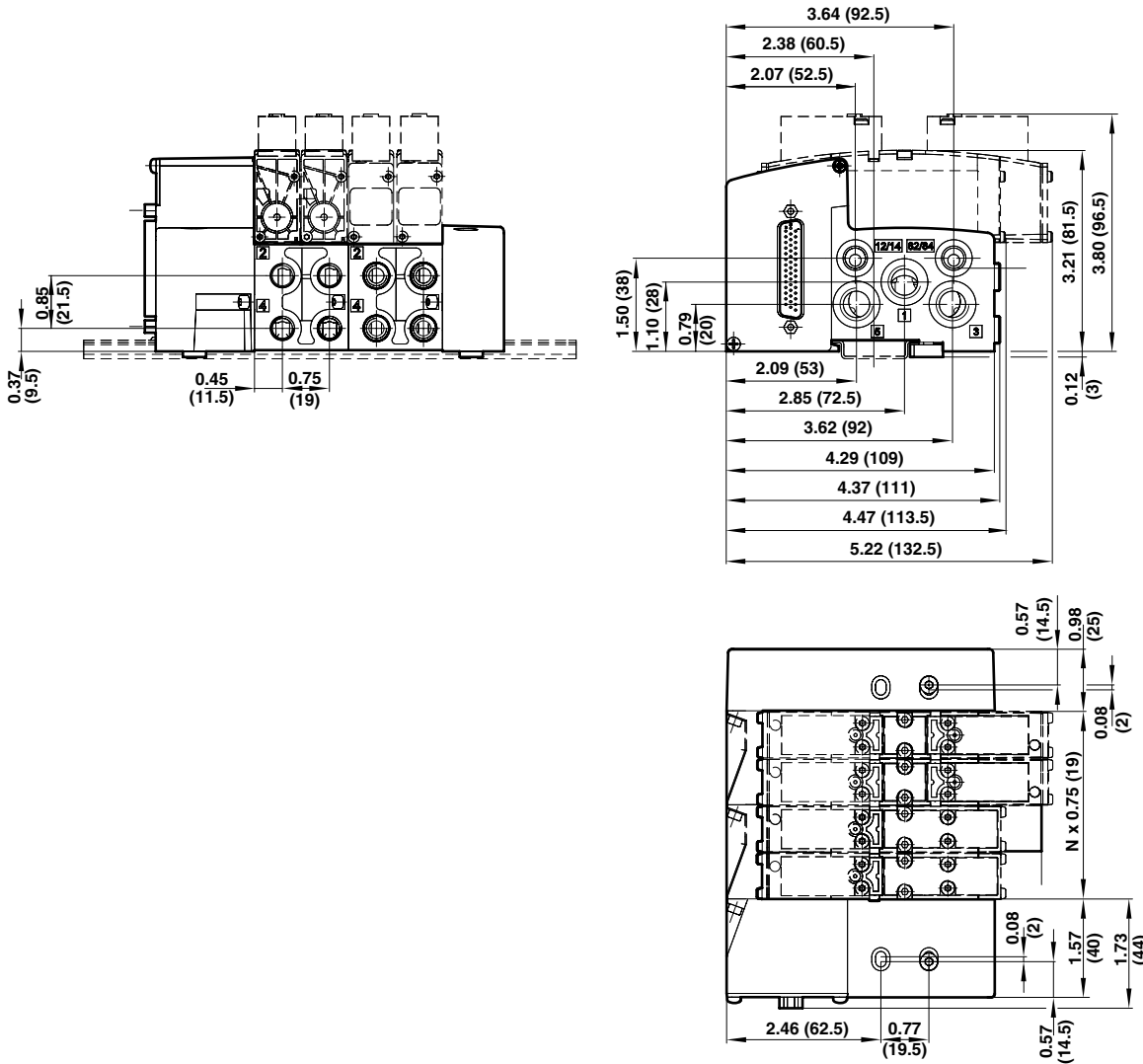
	Model	Function 5/3	Actuation	Pilot supply	Pilot pressure psi (bar)	Operating pressure psi (bar)	Manual override	Voltage
	VS18G611DF313A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push only	24 VDC 1.2W
	VS18G611DF318A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push only	115 VAC 1.5VA
	VS18G611DF213A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push & turn	24 VDC 1.2W
	VS18G611DF218A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push & turn	115 VAC 1.5VA
	VS18G611DF513A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Extended, push only	24 VDC 1.2W
	VS18G611DF518A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Extended, push only	115 VAC 1.5VA
	VS18G622DF313A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Push only	24 VDC 1.2W
	VS18G622DF318A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Push only	115 VAC 1.5VA
	VS18G622DF213A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Push & turn	24 VDC 1.2W
	VS18G622DF218A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Push & turn	115 VAC 1.5VA
	VS18G622DF513A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Extended, push only	24 VDC 1.2W
	VS18G622DF518A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Extended, push only	115 VAC 1.5VA
	VS18G711DF313A	COE	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push only	24 VDC 1.2W
	VS18G711DF318A	COE	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push only	115 VAC 1.5VA
	VS18G711DF213A	COE	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push & turn	24 VDC 1.2W
	VS18G711DF218A	COE	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push & turn	115 VAC 1.5VA
	VS18G711DF513A	COE	Sol/sol	Internal	-	29 to 145 (2 to 10)	Extended, push only	24 VDC 1.2W
	VS18G711DF518A	COE	Sol/sol	Internal	-	29 to 145 (2 to 10)	Extended, push only	115 VAC 1.5VA
	VS18G722DF313A	COE	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Push only	24 VDC 1.2W
	VS18G722DF318A	COE	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Push only	115 VAC 1.5VA
	VS18G722DF213A	COE	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Push & turn	24 VDC 1.2W
	VS18G722DF218A	COE	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Push & turn	115 VAC 1.5VA
	VS18G722DF513A	COE	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Extended, push only	24 VDC 1.2W
	VS18G722DF518A	COE	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 232 (-0.9 to 16)	Extended, push only	115 VAC 1.5VA

5/3 Double solenoid actuated Softseal valves flow = 0.66 Cv (650 l/min)

	Model	Function 5/3	Actuation	Pilot supply	Pilot pressure psi (bar)	Operating pressure psi (bar)	Manual override	Voltage
	VS18S611DF313A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push only	24 VDC 1.2W
	VS18S611DF318A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push only	115 VAC 1.5VA
	VS18S611DF213A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push & turn	24 VDC 1.2W
	VS18S611DF218A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Push & turn	115 VAC 1.5VA
	VS18S611DF513A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Extended, push only	24 VDC 1.2W
	VS18S611DF518A	APB	Sol/sol	Internal	-	29 to 145 (2 to 10)	Extended, push only	115 VAC 1.5VA
	VS18S622DF313A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 145 (-0.9 to 10)	Push only	24 VDC 1.2W
	VS18S622DF318A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 145 (-0.9 to 10)	Push only	115 VAC 1.5VA
	VS18S622DF213A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 145 (-0.9 to 10)	Push & turn	24 VDC 1.2W
	VS18S622DF218A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 145 (-0.9 to 10)	Push & turn	115 VAC 1.5VA
	VS18S622DF513A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 145 (-0.9 to 10)	Extended, push only	24 VDC 1.2W
	VS18S622DF518A	APB	Sol/sol	External	29 to 145 (2 to 10)	26" Hg to 145 (-0.9 to 10)	Extended, push only	115 VAC 1.5VA
	VS18S711DF313A	COE	Sol/sol	Internal	-	36 to 145 (2.5 to 10)	Push only	24 VDC 1.2W
	VS18S711DF318A	COE	Sol/sol	Internal	-	36 to 145 (2.5 to 10)	Push only	115 VAC 1.5VA
	VS18S711DF213A	COE	Sol/sol	Internal	-	36 to 145 (2.5 to 10)	Push & turn	24 VDC 1.2W
	VS18S711DF218A	COE	Sol/sol	Internal	-	36 to 145 (2.5 to 10)	Push & turn	115 VAC 1.5VA
	VS18S711DF513A	COE	Sol/sol	Internal	-	36 to 145 (2.5 to 10)	Extended, push only	24 VDC 1.2W
	VS18S711DF518A	COE	Sol/sol	Internal	-	36 to 145 (2.5 to 10)	Extended, push only	115 VAC 1.5VA
	VS18S722DF313A	COE	Sol/sol	External	36 to 145 (2.5 to 10)	26" Hg to 145 (-0.9 to 10)	Push only	24 VDC 1.2W
	VS18S722DF318A	COE	Sol/sol	External	36 to 145 (2.5 to 10)	26" Hg to 145 (-0.9 to 10)	Push only	115 VAC 1.5VA
	VS18S722DF213A	COE	Sol/sol	External	36 to 145 (2.5 to 10)	26" Hg to 145 (-0.9 to 10)	Push & turn	24 VDC 1.2W
	VS18S722DF218A	COE	Sol/sol	External	36 to 145 (2.5 to 10)	26" Hg to 145 (-0.9 to 10)	Push & turn	115 VAC 1.5VA
	VS18S722DF513A	COE	Sol/sol	External	36 to 145 (2.5 to 10)	26" Hg to 145 (-0.9 to 10)	Extended, push only	24 VDC 1.2W
	VS18S722DF518A	COE	Sol/sol	External	36 to 145 (2.5 to 10)	26" Hg to 145 (-0.9 to 10)	Extended, push only	115 VAC 1.5VA

Valve functions designations: APB = All ports blocked COE = Center open exhaust

Valve manifolds dimensions



\overline{N} Number of station

Dimensions in inches (mm)

Electrical connection	Min. no. of valve stations	Max. no. of valve stations
Multipole	2	16
AS-Interface	2	8
Other Fieldbus protocols	4	16