



Sub-base mounted 2x3/2, 5/2 and 5/3 valves
Solenoid actuated with Wireway
Ø 8mm, G¹/₄

Multipole design for easy installation

IP40, IP65 and NEMA 4 Conduit entry models

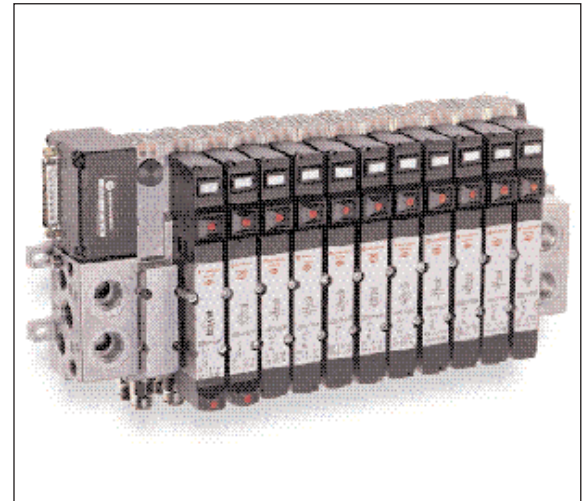
Fieldbus compatible

Dedicated AS-Interface modules

24 V d.c. or 24 V a.c. option

G¹/₄ or Ø 8 mm PIF ports

Common positive available as an option



Technical data

Medium:

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

Operation:

Spool valve, indirectly actuated

Port size (sub-base):

G¹/₄, Ø 8mm G³/₈ inlet

Operating pressure:

2 to 8 bar

Temp. range:

-20°C to +50°C

*Consult our Technical Service for use below +2°C

Materials

Aluminium alloy body, glass filled co-polymer end caps,
aluminium spool with HNBR seals.

Flow characteristics: port sizes: G¹/₄

	'A'	'C'	'b'	l/min	SCFM	Cv	Kv
2 x 3/2 NC	10,55	2,65	-	770	10,0	0,65	0,56
2 x 3/2 NO	11,77	2,93	-	880	11,15	0,85	0,73
5/2	11,41	2,85	0,51	900	11,60	0,86	0,86
5/3 COE	11,65	2,89	-	770	10,10	0,75	0,62
5/3 APB	11,41	2,85	-	760	9,65	0,70	0,60
5/3 COP	12,47	3,10	0,20	850	11,50	0,85	0,73

Technical data Wireway

Indication by yellow LED

Suppression by flywheel diode

Degree of protection:

IP40 'D' sub-connector

IP65 'D' sub-connector with cover

IP65 and NEMA 4 conduit entry type

IP65 Round "Bayonet lock" connector

Ordering information

To order, complete Valve Island Specification form
on page 5.4.157.06 and fax to your local IMI
Norgren office for free consultation service.



General information

2x3/2 Double solenoid actuated valves

Symbol	Model	Manual* Override	Function 2x3/2	Solenoid Pilot supply	Actuation	Operating Pressure (bar)	Solenoid pilot Pressure (bar)	Weight (kg)	Order Code
	V22BA11A-B213R	sdmo	Normally closed	Internal	Sol/spring	2,2 to 8	–	160	01
	V22BA11A-B313R	pbmo							02
	V22BB11A-B213R	sdmo	Normally open	Internal	Sol/Spring	2,2 to 8	–	160	03
	V22BB11A-B313R	pbmo							04
	V22BA22A-B213R	sdmo	Normally closed	External	Sol/Spring	-0.9 to 10	2,2 to 8	160	05
	V22BA22A-B313R	pbmo							06
	V22BB22A-B213R	sdmo	Normally open	External	Sol/Spring	-0.9 to 10	2,2 to 8	160	07
	V22BB22A-B313R	pbmo							08
	V22BC11A-B213R	sdmo	Normally open/ normally closed	Internal	Sol/Spring	2,2 to 8	–	160	09
	V22BC11A-B313R	pbmo							10
	V22BC22A-B213R	sdmo	Normally open/ normally closed	External	Sol/Spring	-0.9 to 10	2,2 to 8	160	11
	V22BC22A-B313R	pbmo							12

5/2 Solenoid/Spring actuated valves

Symbol	Model	Manual* Override	Solenoid Pilot supply	Mid position	Operating Pressure (bar)	Solenoid pilot Pressure (bar)	Weight (kg)	Order Code
	V22B517A-B213R	sdmo	Internal	Sol/Spring	1,8 to 8	–	135	13
	V22B517A-B313R	pbmo						14
	V22B527A-B213R	sdmo	External	Sol/Spring	-0,9 to 10	1,8 to 8	135	15
	V22B527A-B313R	pbmo						16
	V22B513A-B213R	sdmo	Internal	Sol/Air	1,5 to 8	–	135	17
	V22B513A-B313R	pbmo						18
	V22B523A-B213R	sdmo	External	Sol/Air	-0,9 to 10	1,5 to 8	135	19
	V22B523A-B313R	pbmo						20
	V22B511A-B213R	sdmo	Internal	Sol/Sol	1,2 to 8	–	150	21
	V22B511A-B313R	pbmo						22
	V22B522A-B213R	sdmo	External	Sol/Sol	-0,9 to 10	1,2 to 8	150	23
	V22B522A-B313R	pbmo						24

5/3 Double solenoid actuated valves

Symbol	Model	Manual* Override	Solenoid Pilot supply	Mid position	Operating Pressure (bar)	Solenoid pilot Pressure (bar)	Weight (kg)	Order Code
	V22B611A-B213R	sdmo	Internal	APB	2,2 to 8	–	160	25
	V22B611A-B313R	pbmo						26
	V22B622A-B213R	sdmo	External	APB	-0,9 to 10	2,2 to 8	160	27
	V22B622A-B313R	pbmo						28
	V22B711A-B213R	sdmo	Internal	COE	2,2 to 8	–	160	29
	V22B711A-B313R	pbmo						30
	V22B722A-B213R	sdmo	External	COE	-0,9 to 10	2,2 to 8	160	31
	V22B722A-B313R	pbmo						32
	V22B811A-B213R	sdmo	Internal	COP	2,2 to 8	–	160	33
	V22B811A-B313R	pbmo						34
	V22B822A-B213R	sdmo	External	COP	-0,9 to 10	2,2 to 8	160	35
	V22B822A-B313R	pbmo						36

APB = All Ports Blocked
COP = Centre Open Pressure
pbmo = push button mono-stable

COE = Centre Open Exhaust
sdmo = screwdriver bi-stable

Note:
Customers are advised that to comply with the Machinery
Directive manual override type PBMO should be selected

* Valve without manual override can be supplied. Change 11th digit to 1 i.e. V22-----1---