

Valve Islands, V20 Series

Sub-base Mounted 2 x 3/2, 5/2, and 5/3 Valves Solenoid Actuated with Wireway



Multipole design for easy installation

IP 40, IP 65 and NEMA 4 conduit entry models

Fieldbus II compatible

Dedicated AS-interface modules

Technical data

Medium:

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

Flow:

Size	Function	Cv	l/min
1/8 NPT	5/2, 3/2	0.46	452
1/8 NPT	5/3	0.28	220

Operating temperature:

-4°F to +122°F (-20°C to 50°C)

Consult our Technical Service for use below +35°F (2°C).

Indication:

Amber LED electrical signal

Degree of protection:

- IP 40 'D' sub-connector
- IP 65 'D' sub-connector with hood
- IP 65 Round type plug
- IP 65 and NEMA 4 conduit entry type

Materials

Valves

Body, subbase, end plates: die cast aluminum

End caps: glass filled nylon

Solenoids: glass reinforced acetal copolymer (PBT)

Spool: aluminum

Seals: nitrile rubber

Alternative models

24 V a.c. supply

24 V d.c. positive common

Contact our Technical Service for details.

Function	Actuation	Mid position	Solenoid pilot supply	Manual override*	Operating pressure (psig)	Model	Short order code
2x3/2 NC	Sol/spring	–	Internal	Turn & lock	32 ... 116	V206A11A-B213R	01
2x3/2 NC	Sol/spring	–	Internal	Push only	32 ... 116	V206A11A-B313R	02
2x3/2 NO	Sol/spring	–	Internal	Turn & lock	32 ... 116	V206B11A-B213R	05
2x3/2 NO	Sol/spring	–	Internal	Push only	32 ... 116	V206B11A-B313R	06
2x3/2 NC	Sol/spring	–	External	Turn & lock	26" Hg...145	V206A22A-B213R	03
2x3/2 NC	Sol/spring	–	External	Push only	26" Hg...145	V206A22A-B313R	04
2x3/2 NO	Sol/spring	–	External	Turn & lock	26" Hg...145	V206B22A-B213R	07
2x3/2 NO	Sol/spring	–	External	Push only	26" Hg...145	V206B22A-B313R	08
2x3/2 NO/NC	Sol/spring	–	Internal	Turn & lock	32 ... 116	V206C11A-B213R	09
2x3/2 NO/NC	Sol/spring	–	Internal	Push only	32 ... 116	V206C11A-B313R	10
2x3/2 NO/NC	Sol/spring	–	External	Turn & lock	26" Hg...145	V206C22A-B213R	11
2x3/2 NO/NC	Sol/spring	–	External	Push only	26" Hg...145	V206C22A-B313R	12
5/2	Sol/Spring	–	Internal	Turn & lock	26 ... 116	V206517A-B213R	13
5/2	Sol/Spring	–	Internal	Push only	26 ... 116	V206517A-B313R	14
5/2	Sol/Spring	–	External	Turn & lock	26" Hg...145	V206527A-B213R	15
5/2	Sol/Spring	–	External	Push only	26" Hg...145	V206527A-B313R	16
5/2	Sol/Air spring	–	Internal	Turn & lock	22 ... 116	V206513A-B213R	17
5/2	Sol/Air spring	–	Internal	Push only	22 ... 116	V206513A-B313R	18
5/2	Sol/Air spring	–	External	Turn & lock	26" Hg...145	V206523A-B213R	19
5/2	Sol/Air spring	–	External	Push only	26" Hg...145	V206523A-B313R	20
5/2	Sol/Sol	–	Internal	Turn & lock	17 ... 116	V206511A-B213R	21
5/2	Sol/Sol	–	Internal	Push only	17 ... 116	V206511A-B313R	22
5/2	Sol/Sol	–	External	Turn & lock	26" Hg...145	V206522A-B213R	23
5/2	Sol/Sol	–	External	Push only	26" Hg...145	V206522A-B313R	24
5/3	Sol/sol	APB	Internal	Turn & lock	32 ... 116	V206611A-B213R	25
5/3	Sol/sol	APB	Internal	Push only	32 ... 116	V206611A-B313R	26
5/3	Sol/sol	APB	External	Turn & lock	26" Hg...145	V206622A-B213R	27
5/3	Sol/sol	APB	External	Push only	26" Hg...145	V206622A-B313R	28
5/3	Sol/sol	COE	Internal	Turn & lock	32 ... 116	V206711A-B213R	29
5/3	Sol/sol	COE	Internal	Push only	32 ... 116	V206711A-B313R	30
5/3	Sol/sol	COE	External	Turn & lock	26" Hg...145	V206722A-B213R	31
5/3	Sol/sol	COE	External	Push only	26" Hg...145	V206722A-B313R	32
5/3	Sol/sol	COP	Internal	Turn & lock	32 ... 116	V206811A-B213R	33
5/3	Sol/sol	COP	Internal	Push only	32 ... 116	V206811A-B313R	34
5/3	Sol/sol	COP	External	Turn & lock	26" Hg...145	V206822A-B213R	35
5/3	Sol/sol	COP	External	Push only	26" Hg...145	V206822A-B313R	36

*To order a valve without manual override substitute 1 at the 10th digit e.g.V206523A-B113R

APB = All Ports Blocked COE = Center Open Exhaust COP = Center Open Pressure

To comply with the Machinery Directive push only manual override should be selected.

Wireway

Voltage:	24V d.c. 1.5W
Surge suppression:	Flywheel diode
Indication:	Amber LED

Solenoids

Voltage tolerance:	±10%
Rating:	100% E.D.

Valve selection

Please use short order codes in the valve island specification form to specify/configure a valve island

Valve Islands, V20 Series

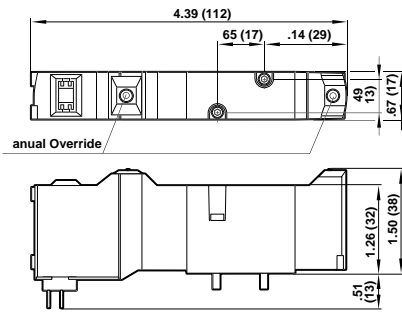
Sub-base Mounted 2 x 3/2, 5/2, and 5/3 Valves Solenoid Actuated with Wireway

Dimensions in inches (mm)

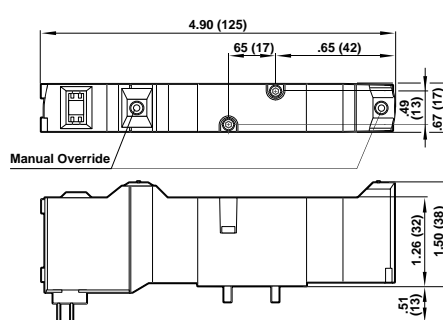
Accessories (Order codes in bold)

D Sub-connector IP40		D Sub-connector IP65 with seal		Blanking Plate		Intermediate Supply/Exhaust Plate		Sandwich Regulator			
V10020-E01 3 ft (1m) A1	V11063-E01 3 ft (1m) A4	V095516AQ1100	V095516A-Q160N 1/8" NPT A8	V11270-K02 A22							
V10020-E03 10 ft (3m) A2	V11063-E03 10 ft (3m) A5	V205516AQ2700 (kit) A7	V11060-K01 Wireway plug (required with above plate)								
V10020-E05 16 ft (5m) A3	V11063-E05 16 ft (5m) A6										
DIN Rail Mounting Kits		DIN Rail Fixing Kit		Blanking Disk Set		Remote Output Module		Flow Control		Spares Kits	
								V11274-K01	V11045-K01 5/2	V11046-K01 5/3 APB	V11047-K01 5/3 COE
V10009-C00 3 ft (1m) A10	V10920-K01 A11	V10258-K02 A12	VE1MP09B-00400 A13					V11048-K01 5/3 COP	V11049-K01 3/2 NC	V11050-K01 NO	V11051-K01 3/2 NC & NO
								V11059-K01 gasket kit			

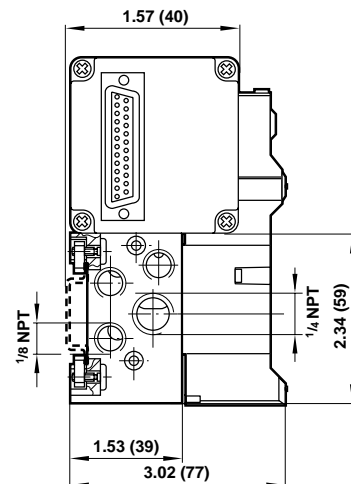
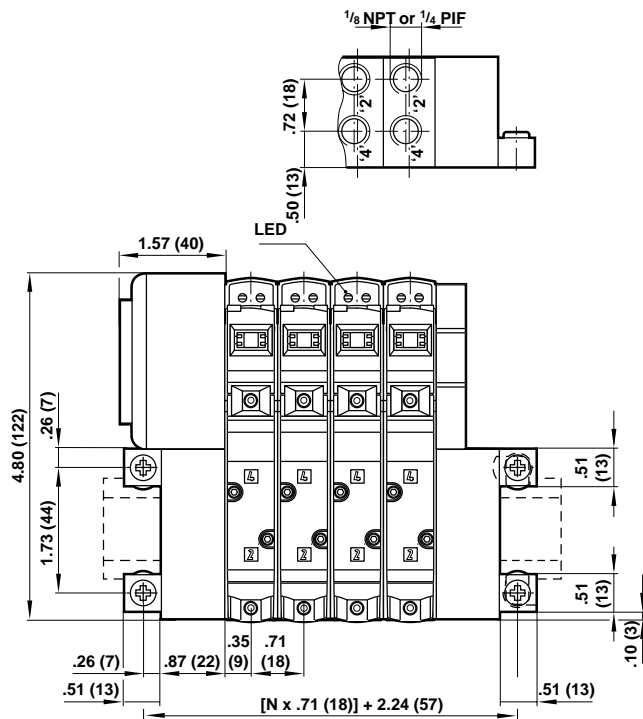
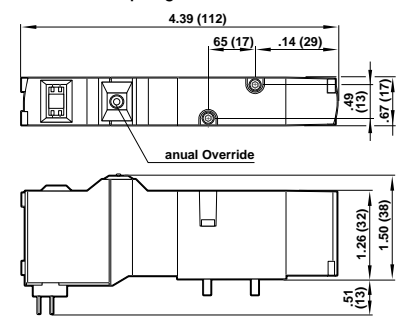
2 x 3/2 and 5/2 Double Solenoid Actuated Valves



5/3 Double Solenoid Actuated Valves



5/2 Solenoid/Spring Actuated Valves



Valve Islands, V22 Series

Sub-base Mounted 2 x 3/2, 5/2 and 5/3 Valves Solenoid Actuated with Wireway



Multipole design for easy installation

IP 40, IP 65 and NEMA 4 conduit entry models

Fieldbus II compatible

Dedicated AS-interface modules

Technical data

Medium:

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

Flow:

Size	Function	Cv	l/min
1/4" NPT	5/2	1.17	1152
1/4" NPT	2 x 3/2	1.03	550

Operating temperature:

-4°F to +122°F (-20°C to 50°C)

Consult our Technical Service for use below +35°F (2°C).

Indication:

Amber LED electrical signal

Degree of protection:

IP 40 'D' sub-connector

IP 65 'D' sub-connector with sheath

IP 65 Round type plug

IP 65 and NEMA 4 conduit entry type

Materials

Valves

Body, subbase, end plates: die cast aluminum

End caps: glass filled nylon

Solenoids: glass reinforced acetal copolymer (PBT)

Spool: aluminum alloy

Seals: nitrile rubber

Alternative models

24 V a.c. supply

24 V d.c. positive common

Function	Actuation	Mid position	Solenoid pilot supply	Manual override*	Operating pressure (bar)	Model	Short order code
2 x 3/2 NC	Sol/spring	–	Internal	Turn & lock	32 ... 116	V22BA11A-B213R	01
2 x 3/2 NC	Sol/spring	–	Internal	Push only	32 ... 116	V22BA11A-B313R	02
2 x 3/2 NO	Sol/spring	–	Internal	Turn & lock	32 ... 116	V22BB11A-B213R	03
2 x 3/2 NO	Sol/spring	–	Internal	Push only	32 ... 116	V22BB11A-B313R	04
2 x 3/2 NC	Sol/spring	–	External	Turn & lock	26" Hg...145	V22BA22A-B213R	05
2 x 3/2 NC	Sol/spring	–	External	Push only	26" Hg...145	V22BA22A-B313R	06
2 x 3/2 NO	Sol/spring	–	External	Turn & lock	26" Hg...145	V22BB22A-B213R	07
2 x 3/2 NO	Sol/spring	–	External	Push only	26" Hg...145	V22BB22A-B313R	08
2 x 3/2 NO/NC	Sol/spring	–	Internal	Turn & lock	32 ... 116	V22BC11A-B213R	09
2 x 3/2 NO/NC	Sol/spring	–	Internal	Push only	32 ... 116	V22BC11A-B313R	10
2 x 3/2 NO/NC	Sol/spring	–	External	Turn & lock	26" Hg...145	V22BC22A-B213R	11
2 x 3/2 NO/NC	Sol/spring	–	External	Push only	26" Hg...145	V22BC22A-B313R	12
5/2	Sol/spring	–	Internal	Turn & lock	26 ... 116	V22B517A-B213R	13
5/2	Sol/spring	–	Internal	Push only	26 ... 116	V22B517A-B313R	14
5/2	Sol/spring	–	External	Turn & lock	26" Hg...145	V22B527A-B213R	15
5/2	Sol/spring	–	External	Push only	26" Hg...145	V22B527A-B313R	16
5/2	Sol/air	–	Internal	Turn & lock	22 ... 116	V22B513A-B213R	17
5/2	Sol/air	–	Internal	Push only	22 ... 116	V22B513A-B313R	18
5/2	Sol/air	–	External	Turn & lock	26" Hg...145	V22B523A-B213R	19
5/2	Sol/air	–	External	Push only	26" Hg...145	V22B523A-B313R	20
5/2	Sol/sol	–	Internal	Turn & lock	17 ... 116	V22B511A-B213R	21
5/2	Sol/sol	–	Internal	Push only	17 ... 116	V22B511A-B313R	22
5/2	Sol/sol	–	External	Turn & lock	26" Hg...145	V22B522A-B213R	23
5/2	Sol/sol	–	External	Push only	26" Hg...145	V22B522A-B313R	24
5/3	Sol/sol	APB	Internal	Turn & lock	32 ... 116	V22B611A-B213R	25
5/3	Sol/sol	APB	Internal	Push only	32 ... 116	V22B611A-B313R	26
5/3	Sol/sol	APB	External	Turn & lock	26" Hg...145	V22B622A-B213R	27
5/3	Sol/sol	APB	External	Push only	26" Hg...145	V22B622A-B313R	28
5/3	Sol/sol	COE	Internal	Turn & lock	32 ... 116	V22B711A-B213R	29
5/3	Sol/sol	COE	Internal	Push only	32 ... 116	V22B711A-B313R	30
5/3	Sol/sol	COE	External	Turn & lock	26" Hg...145	V22B722A-B213R	31
5/3	Sol/sol	COE	External	Push only	26" Hg...145	V22B722A-B313R	32
5/3	Sol/sol	COP	Internal	Turn & lock	32 ... 116	V22B811A-B213R	33
5/3	Sol/sol	COP	Internal	Push only	32 ... 116	V22B811A-B313R	34
5/3	Sol/sol	COP	External	Turn & lock	26" Hg...145	V22B822A-B213R	35
5/3	Sol/sol	COP	External	Push only	26" Hg...145	V22B822A-B313R	36

*To order a valve without manual override substitute 1 at the 10th digit e.g. V22B611A-B113R

APB = All Ports Blocked COE = Center Open Exhaust COP = Center Open Pressure

To comply with the Machinery Directive push only manual override should be selected.

Wireway

Voltage:	24V d.c. 1.5W
Surge suppression:	Flywheel diode
Indication:	Amber LED

Solenoids

Voltage tolerance:	±10%
Rating:	100% E.D.

Valve selection

Please use short order codes in the valve island specification form to specify/configure a valve island

Valve Islands, V22 Series

Sub-base Mounted 2 x 3/2, 5/2 and 5/3 Valves Solenoid Actuated with Wireway

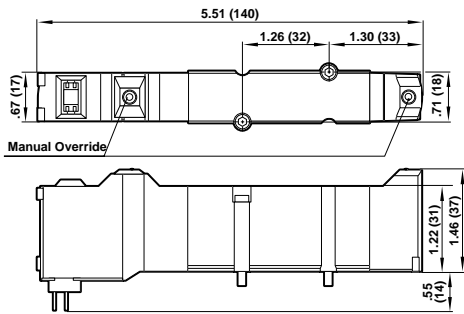
Dimensions in inches (mm)

Accessories

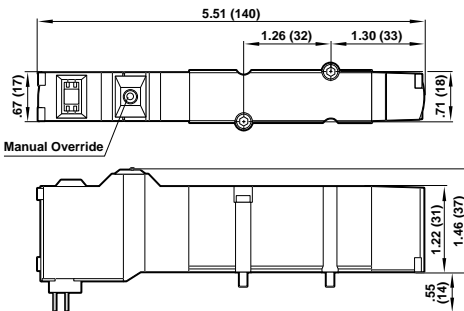
D Sub-connector IP40	D Sub-connector IP65 with seal	Blanking Plate	Intermediate Supply/Exhaust Plate	Remote Output Module	
V10020-E01 3 ft (1m) A1	V11063-E01 3 ft (1m) A4	V14B517AQ2700	V14B517A-Q240N 1/4" NPT A8	VE1MP098-00400 A16	
V10020-E03 10 ft (3m) A2	V11063-E03 10 ft (3m) A5	V22B517AQ2700 (kit) A7	V11060-K01 Plug (required with above plate)		
V10020-E05 16 ft (5m) A3	V11063-E05 16 ft (5m) A6				
DIN Rail	DIN Rail Mounting Kits	Sandwich Regulator	Isolation gaskets	Flow Control	Spares Kits
			V10040-C97 port 1 blocked G1	V11275-K01	V11052-K01 5/2
			V10040-C97 port 3&5 blocked G3		V11053-K01 5/3 APB
			V10040-C98 port 1, 3&5 blocked G5		V11054-K01 5/3 COE
					V11055-K01 5/3 COP
					V11056-K01 3/2 NC
					V11057-K01 NO
V10009-C00 3 ft (3m) A17	V10319-K30 A18	V11271-K02 A22			V11058-K01 3/2 NC & NO
					V11059-K01 gasket kit

V22 Models

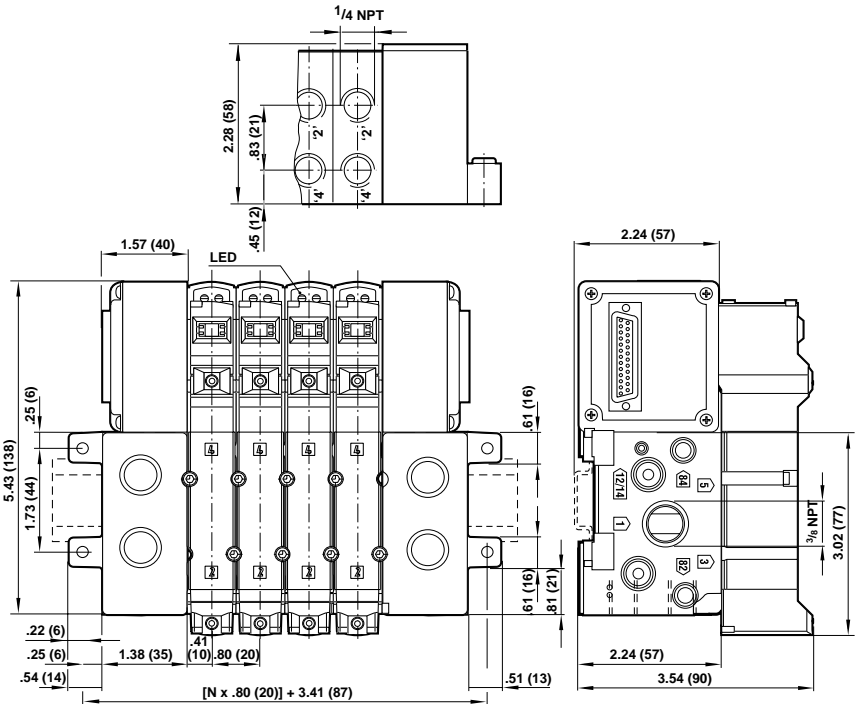
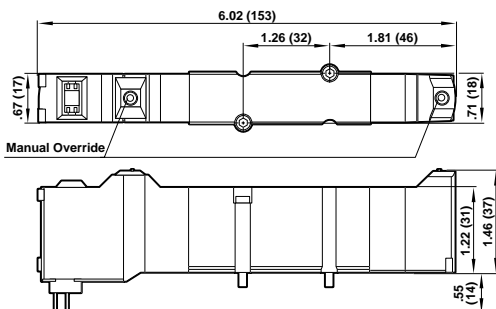
2 x 3/2 and 5/2 Double Solenoid Actuated Valves



5/2 Solenoid/Spring Actuated Valves

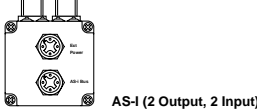
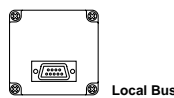
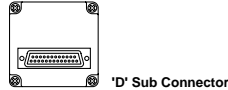


5/3 Double Solenoid Actuated Valves

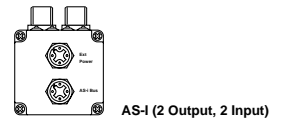


Electrical Connection Options

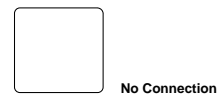
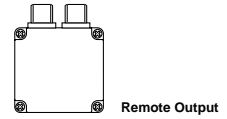
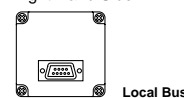
Left Hand Side



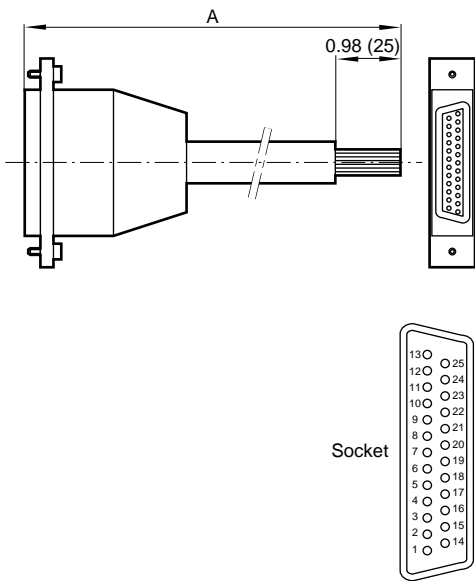
Conduit entry type



Right Hand Side



IP40 D Sub-Connector



D-Sub Connector with Cable

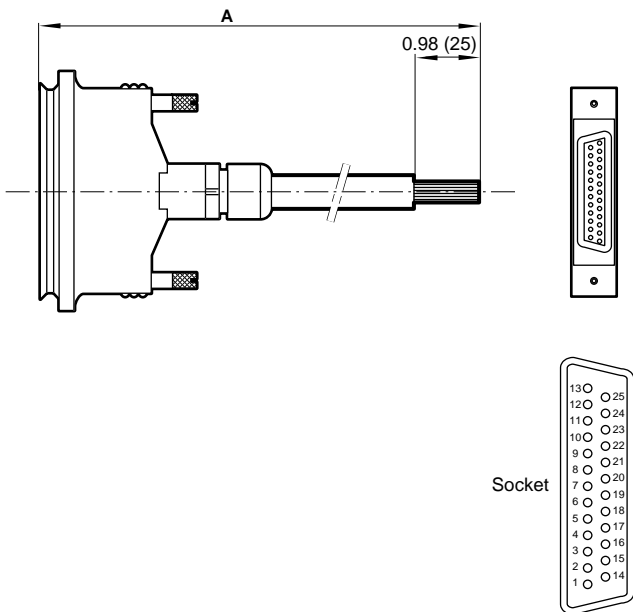
Type: 25 pin IP40

Model	A ft (m)	Weight lb (Kg)
V10020-E01	3.0 (1.0)	0.61 (0.276)
V10020-E03	10.0 (3.0)	1.49 (0.676)
V10020-E05	16.0 (5.0)	2.37 (1.076)

Pin no.	Socket	Plug	Pin no.	Socket	Plug
1	Solenoid 1	Red	14	Solenoid 14	Green/red
2	Solenoid 2	Blue	15	Solenoid 15	Yellow/red
3	Solenoid 3	Green	16	Solenoid 16	White/red
4	Solenoid 4	Yellow	17	Solenoid 17	Red/black
5	Solenoid 5	White	18	Solenoid 18	Red/brown
6	Solenoid 6	Brown	19	Solenoid 19	Yellow/blue
7	Solenoid 7	Violet	20	Solenoid 20	White/blue
8	Solenoid 8	Orange	21	Not used	Blue/black
9	Solenoid 9	Pink	22	Not used	Orange/blue
10	Solenoid 10	Turquoise	23	Not used	Yellow/green
11	Solenoid 11	Grey	24	Common	White/green
12	Solenoid 12	Red/blue	25	Common	Orange/green
13	Solenoid 13	Black			

Solenoid No. 1 is nearest to the connector on valve island

IP65 D Sub-Connector with seal



D-Sub Connector with Cable

Type: 25 pin IP65

Model	A ft (m)	Weight lb (Kg)
V11063-E01	3.0 (1.0)	0.61 (0.276)
V11063-E03	10.0 (3.0)	1.45 (0.676)
V11063-E05	16.0 (5.0)	2.37 (1.076)

Pin no.	Socket	Plug	Pin no.	Socket	Plug
1	Solenoid 1	Red	14	Solenoid 14	Green/red
2	Solenoid 2	Blue	15	Solenoid 15	Yellow/red
3	Solenoid 3	Green	16	Solenoid 16	White/red
4	Solenoid 4	Yellow	17	Solenoid 17	Red/black
5	Solenoid 5	White	18	Solenoid 18	Red/brown
6	Solenoid 6	Brown	19	Solenoid 19	Yellow/blue
7	Solenoid 7	Violet	20	Solenoid 20	White/blue
8	Solenoid 8	Orange	21	Not used	Blue/black
9	Solenoid 9	Pink	22	Not used	Orange/blue
10	Solenoid 10	Turquoise	23	Not used	Yellow/green
11	Solenoid 11	Grey	24	Common	White/green
12	Solenoid 12	Red/blue	25	Common	Orange/green
13	Solenoid 13	Black			

Solenoid No. 1 is nearest to the connector on valve island

Fieldbus II (VE2) Systems

PROFIBUS-DP, INTERBUS-S, DeviceNet, CANOpen



The V20 and V22 series valves can be directly coupled to Fieldbus II to form an IP65 network that can be used to centralize or distribute valve islands and input control.

Norgren also offers two types of fieldbus system to operate with the customer's choice of protocol. The first is our standard low-cost digital network which maximizes the node input/output capabilities. The second is our full diagnostic digital system which enables customers to control and use data being stored by the valves and fieldbus node.

- Modular system clips together
- 64 inputs and 64 outputs per node
- Distributed configuration option
- Interchangeable protocols
- Standard fieldbus control
- Advanced diagnostic features

Technical data

Operating temperature:
32°F to 122°F (0°C to 50°C)

Vibration tests:
To IEC 68-2-6

Degree of protection: IP 65

EMC Standards:
Generic emission standard EN50081-2
Generic immunity standard EN50082-2

Materials

Main enclosure mouldings: glass fiber reinforced polyester (PBT)
Clips: acetal copolymer (POM)

Protocol	Connector type(s)	Node part number	Communication	Max Baud rate
Profibus-DP	Coninver (IP65)	VE2DPFNB-64640	RS485	12Mb/s
Interbus-S	Coninver (IP65)	VE2IBFNC-64640	RS422	500Kb/s
Devicenet	Micro-Change (IP65)	VE2DNFNB-64640	CAN	500Kb/s
CANopen	Micro-Change (IP65)	VE2CAFNB-64640	CAN	1Mb/s
Profibus-DP	D-Type (IP40)	VE2DPFND-64640	RS485	12Mb/s
Interbus-S	D-Type (IP40)	VE2IBFNE-64640	RS422	500Kb/s

A typical distributed system



Valve selection

Please use short order codes in the valve island specification form to specify/configure a valve island

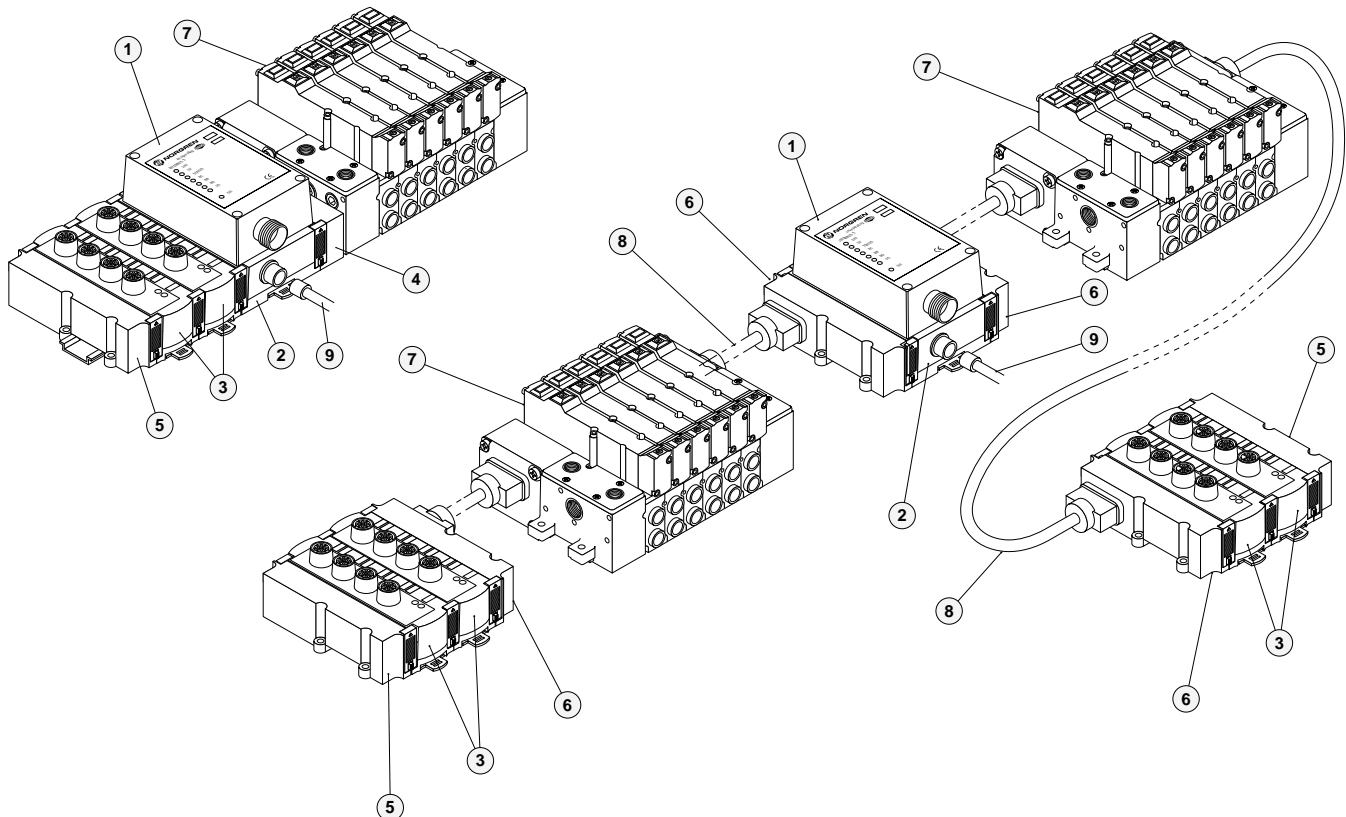
Fieldbus II (VE2) Systems PROFIBUS-DP, INTERBUS-S, DeviceNet, CANOpen

Symbol	Description	Model	Short order code
1	Fieldbus node Profibus-DP Coninver connector	VE2DPFNB-64640	F1
	Profibus DP D-type connector	VE2DPFND-64640	F1D
	Interbus-S Coninver connector	VE2IBFNC-64640	F2
	Devicenet M12 micro connector	VE2DNFNB-64640	F3
	CANOpen M12 micro connector	VE2CAFNB-64640	F4
2	Common node sub-base		
	Sub-base plastic connector	VE2FBSBA-00000	F5
3	Input/output modules		
	4 outputs	VE2FBOMA-00040	F6
	8 outputs	VE2FBOMA-00080	F7
	4 NPN inputs	VE2FBIMF-04000	F8
	4 PNP inputs	VE2FBIMF-08000	F9
	8 NPN inputs	VE2FBIMG-04000	F10
	8 PNP inputs	VE2FBIMG-08000	F11
4	Valve island interface plates (for Fieldbus node or input/output modules)		
	Left hand side	VE2FBVPL-00000	F12
	Right hand side	VE2FBVPR-00000	F13
	Additional V20 kit	V10075-K32	F14

Symbol	Description	Model	Short order code
5	End cover (for Fieldbus node or input/output modules)		
	Left hand side	VE2FBECL-00000	F15
	Right hand side	VE2FBECR-00000	F16
6	IP 65 9-pin cable interface plate (for Fieldbus node or input/output modules)		
	Left hand side	VE2FBCPL-00000	F17
	Right hand side	VE2FBCPR-00000	F18
7	Valve island		
		V20	
		V22	
Note: Fieldbus valve islands must use the 9 pin 'D' connector interface			
8	Cable with 9-pin D-type connectors		
	3 ft (1m) length	VE2FBC9P-9S010	F21
	10 ft (3m) length	VE2FBC9P-9S030	F22
	16 ft (5m) length	VE2FBC9P-9S050	F23
	Wireable 9-pin D-type connector (male)	VE2FBC9P-00000	F24
	Wireable 9-pin D-type connector (female)	VE2FBC9S-00000	F25
	9	Power cable and connector	
3 ft (1m) length		VE2FBCPS-M1810	F26
10 ft (3m) length		VE2FBCPS-M1830	F27
16 ft (5m) length		VE2FBCPS-M1850	F28
Wireable power connector (plastic)		VE2FBCPS-M1800	F29

Centralized configuration

Distributed configuration



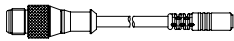
Fieldbus II (VE2) Systems

PROFIBUS-DP, INTERBUS-S, DeviceNet, CANOpen

Accessories

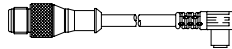
Input M12 connecting plug and cable assemblies for sensors

3 pin plug to 3 pin socket



VE1FBC8S-M1210 3 ft (1m) F30
VE1FBC8S-M1230 10 ft (3m) F31
VE1FBC8S-M1250 16 ft (5m) F32

3 pin plug to 3 pin socket



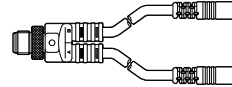
VE1FBC8E-M1210 3 ft(1m) F33
VE1FBC8E-M1230 10 ft (3m) F34
VE1FBC8E-M1250 16 ft (5m) F35

4 pin plug to 4 pin socket



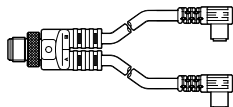
VE1FBC0S-M1210 3 ft(1m) F36
VE1FBC0S-M1230 10 ft (3m) F37
VE1FBC0S-M1250 16 ft (5m) F38

3 pin plug to 2 x 3 pin socket



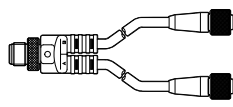
VE1FBC8S-M121D 3 ft (1m) F39
VE1FBC8S-M123D 10 ft (3m) F40
VE1FBC8S-M125D 16 ft (5m) F41

3 pin plug to 2 x 3 pin socket



VE1FBC8E-M121D 3 ft (1m) F42
VE1FBC8E-M123D 10 ft (3m) F43
VE1FBC8E-M125D 16 ft (5m) F44

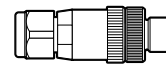
4 pin plug to 2 x 4 pin socket



VE1FBC0S-M121D 3 ft(1m) F45
VE1FBC0S-M123D 10 ft (3m) F46
VE1FBC0S-M125D 16 ft (5m) F47

Input or output M12 plug

Wireable 5 pin male – screw termination



VE1FBCRS-M125P F48

Wireable communication cable connectors

Description

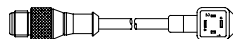
Model



Profibus-DP Coninver plug	VE1DPCRS-CN12P	F61
Interbus-S Coninver plug	VE1BCRS-CN09P	F62
Interbus-S Coninver socket	VE1BCRS-CN09S	F63
DeviceNet		
M12 micro-connector socket	VE2DNCRS-CN05S	F64

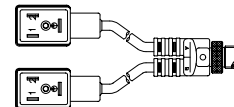
Output M12 plug and connecting cables for solenoid coils

5 pin plug to valve connection



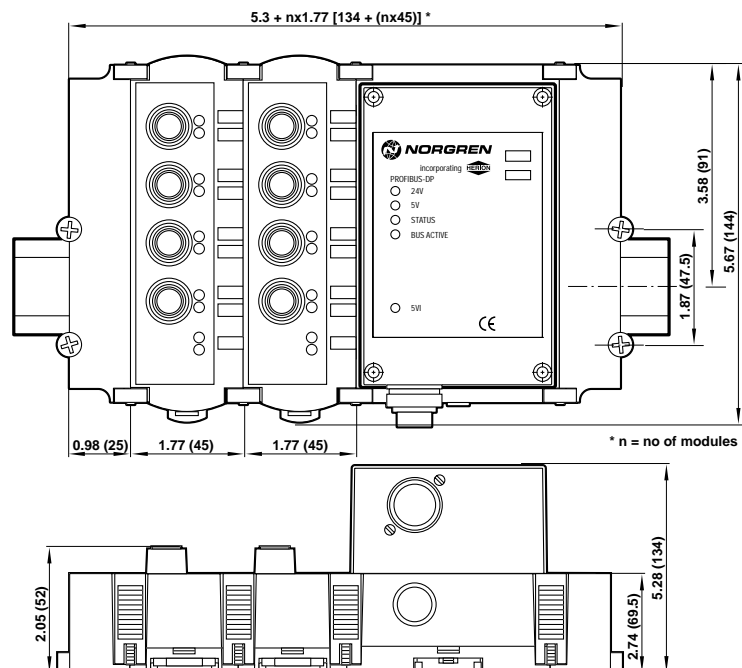
VE1FBCSC-M1203	Type C (15 mm coil)	1 ft (0.3m)	F49
VE1FBCSC-M1210	Type C (15 mm coil)	3 ft (1.0m)	F50
VE1FBCSB-M1203	Industrial (22 mm coil)	1 ft (0.3m)	F51
VE1FBCSB-M1210	Industrial (22 mm coil)	3 ft (1.0m)	F52
VE1FBCSA-M1203	Type A (32 mm coil)	1 ft (0.3m)	F53
VE1FBCSA-M1210	Type A (32 mm coil)	3 ft (1.0m)	F54

5 pin plug to 2 valve connections



VE1FBCTC-M1203	Type C (15 mm coil)	1 ft (0.3m)	F55
VE1FBCTC-M1210	Type C (15 mm coil)	3 ft (1.0m)	F56
VE1FBCTB-M1203	Industrial (22 mm coil)	1 ft (0.3m)	F57
VE1FBCTB-M1210	Industrial (22 mm coil)	3 ft (1.0m)	F58
VE1FBCTA-M1203	Type A (32 mm coil)	1 ft (0.3m)	F59
VE1FBCTA-M1210	Type A (32 mm coil)	3 ft (1.0m)	F60

Each coil plug has LED and suppression as standard. F30 = Short order code



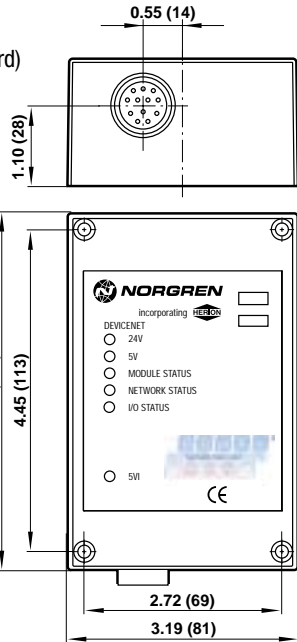
Dimensions in inches (mm)

Fieldbus II (VE2) Systems

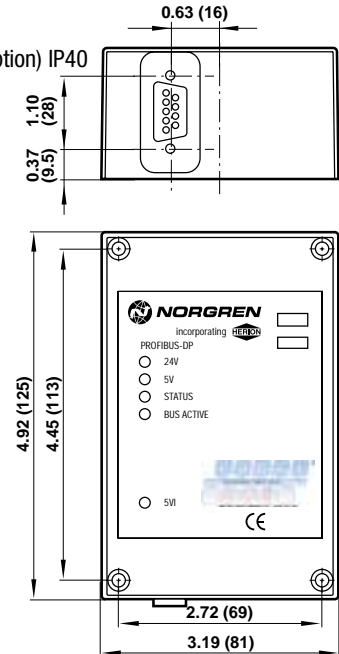
PROFIBUS-DP, INTERBUS-S, DeviceNet, CANopen

Dimensions in inches (mm)

Profibus-DP Fieldbus node
Single coninver connector (standard)
VE2DPFNB-64640



Profibus-DP Fieldbus node
Single D-type connector (option) IP40
VE2DPFND-64640



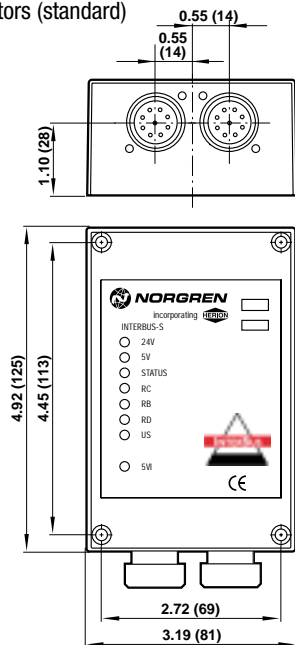
Profibus node accessories

Model	Description	Type
VE1DPCRS-CN12P	Wireable 12 pin coninver type connector (IP 65)	Male

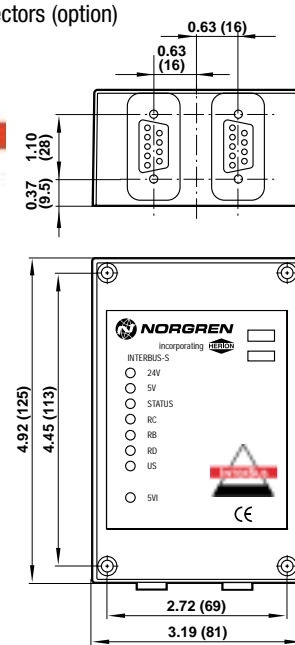
Profibus node accessories

Model	Description	Type
VE2FBC9P-00000	Wireable 9 pin D-type connector (IP 65)	Male

Interbus-S Fieldbus node
Double Coninver type connectors (standard)
VE2IBFNC-64640



Interbus-S Fieldbus node
Double D-type connectors (option)
VE2IBFNE-64640



Interbus-S node accessories

Model	Description	Type
VE1IBCRS-CN09P	Wireable Interbus-S 9-pin connector	Male
VE1IBCRS-CN09S	Wireable Interbus-S 9-pin connector	Female

Interbus-S node accessories

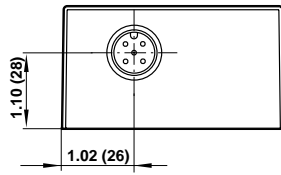
Model	Description	Type
VE2FBC9P-00000	Wireable D-type IP 65 connector	Male
VE2FBC9S-00000	Wireable D-type IP 65 connector	Female

Fieldbus II (VE2) Systems

PROFIBUS-DP, INTERBUS-S, DeviceNet, CANOpen

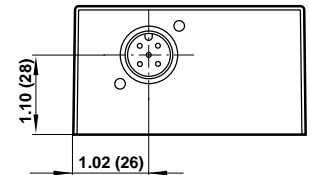
Dimensions in inches (mm)

DeviceNet Fieldbus node
Single micro change type
connector (standard)
VE2DNFNB-64640

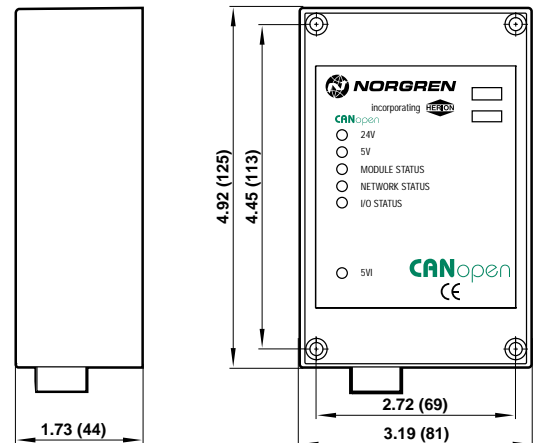
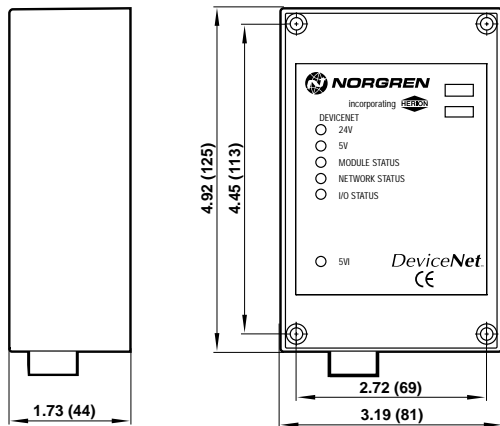


DeviceNet™

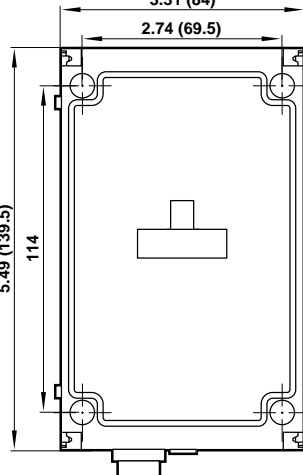
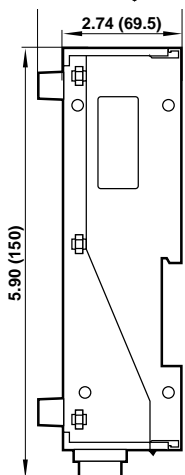
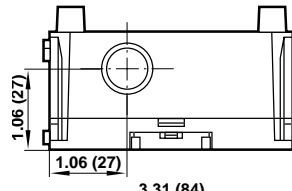
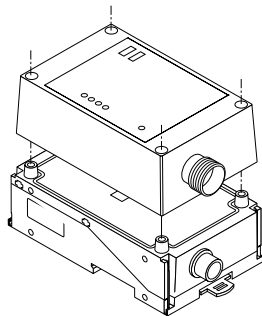
CANOpen Fieldbus node
Single micro change type
connector (standard)
VE2CAFNB-64640



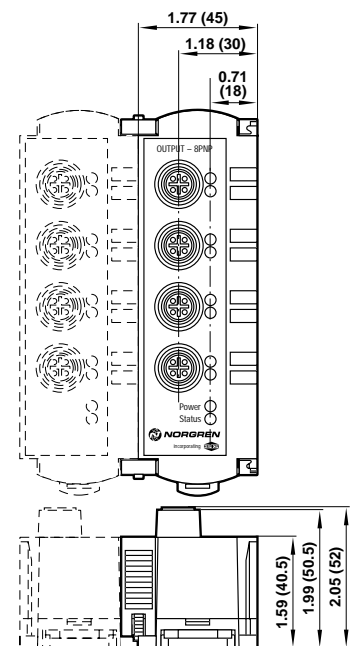
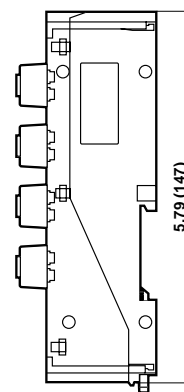
CANopen



Common node sub-base
VE2FBSBA-00000 (plastic connector)
VE2FBSBA-0000M (metal connector)



Input and output modules



Common node accessories

Description	Length	Model
Power cable with 4 pole female connector and hood	1 meter	VE2FBCPS-M1810
Power cable with 4 pole female connector and hood	3 meters	VE2FBCPS-M1830
Power cable with 4 pole female connector and hood	5 meters	VE2FBCPS-M1850
Wireable 4 pole female connector (plastic)	-	VE2FBCPS-M1800
Wireable 4 pole female connector (metal)	-	V11156-E02

Input and output modules

Description	Model
4 Inputs NPN	VE2FBIMF-04000
4 Inputs PNP	VE2FBIMG-04000
8 Inputs NPN	VE2FBIMF-08000
8 Inputs PNP	VE2FBIMG-08000
4 Outputs	VE2FBOMA-00040
8 Outputs	VE2FBOMA-00080

V20 and V22 Valve Island Specification Form

Fax back a copy of this order form to your local distributor.

Company _____

Contact _____

Address _____

Telephone _____

Fax _____

Date _____

Use short codes to complete the build model below. Norgren will advise you of a unique part number for this assembly which should be quoted for further orders.

Valve assembly

Each valve island can be assembled with a maximum of 20 solenoids and up to 20 stations.

V22	V20																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">PORT SIZE</th> </tr> <tr> <td style="text-align: center;">G1/4</td> <td style="text-align: center;">1/4 NPT</td> </tr> <tr> <td style="text-align: center;"><input style="width: 40px; height: 20px;" type="text"/></td> <td style="text-align: center;"><input style="width: 40px; height: 20px;" type="text"/></td> </tr> </table>	PORT SIZE		G1/4	1/4 NPT	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">PORT SIZE</th> </tr> <tr> <td style="text-align: center;">G1/8</td> <td style="text-align: center;">1/4 PIF</td> <td style="text-align: center;">1/8 NPT</td> </tr> <tr> <td style="text-align: center;"><input style="width: 40px; height: 20px;" type="text"/></td> <td style="text-align: center;"><input style="width: 40px; height: 20px;" type="text"/></td> <td style="text-align: center;"><input style="width: 40px; height: 20px;" type="text"/></td> </tr> </table>	PORT SIZE			G1/8	1/4 PIF	1/8 NPT	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No. of Valve Islands required</th> </tr> <tr> <td style="text-align: center;"><input style="width: 40px; height: 20px;" type="text"/></td> </tr> </table>	No. of Valve Islands required	<input style="width: 40px; height: 20px;" type="text"/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No. of stations required</th> </tr> <tr> <td style="text-align: center;"><input style="width: 40px; height: 20px;" type="text"/></td> </tr> </table>	No. of stations required	<input style="width: 40px; height: 20px;" type="text"/>
PORT SIZE																						
G1/4	1/4 NPT																					
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PORT SIZE																						
G1/8	1/4 PIF	1/8 NPT																				
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No. of Valve Islands required																						
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Accessory Codes	
Valve Codes	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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LHS Connection		RHS Connection
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DIN Rail Mntg Kit Gasket Codes - See Pressure Options on website

D' Sub connector	1" NPT Conduit	AS-I (4 Output)	Local bus

No connection	Local Bus	AS-I (4 Output)	Remote output

Connection options

AS-I (2 Output / 2 Input)	AS-I (2 Output / 2 Input)

VAL-152

www.norgren.com/info/US-VAL-152

