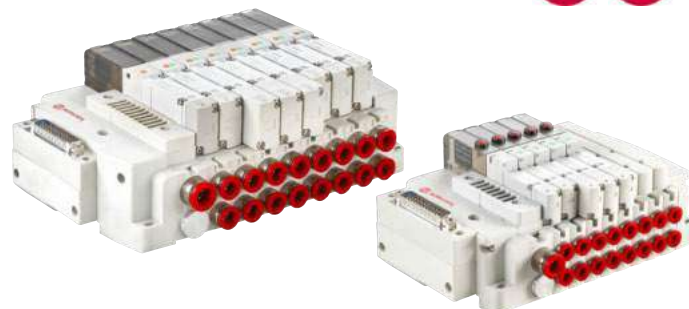


VR Series, 2 x 3/2, 5/2 or 5/3 Multipole Valve Island



- > Vertical or Horizontal
24V DC Multipole
- > 10/15mm Valve Island
- > Modular system
offering a wide range of
configuration options
- > LED indicator of
solenoid function
- > No restriction in
installation
- > Up to 24 solenoids
- > Easy to replace
valves and fittings
- > To configure and order
a Valve Island visit -
www.norgren.com



Technical features

Medium:

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

Operation:

Dynamic softseal spool valve,
solenoid pilot operated

Flow:

VR10

Function	l/min	Cv	Kv
5/2	220	0.22	0.20
5/3	270	0.27	0.24
2 x 3/2	220	0.22	0.20

VR15

Function	l/min	Cv	Kv
5/2	520	0.53	0.47
5/3	590	0.60	0.54
2 x 3/2	460	0.47	0.42

Mounting:

Sub-base

Ports 1, 3 & 5 (P,E):

VR10: PIF 8 mm, 5/16"

VR15: PIF 10 mm, 3/8"

Ports 2 & 4 (A,B):

VR10: PIF 4 mm, 6 mm, 5/32", 1/4"

VR15: PIF 4 mm, 6 mm, 8

mm, 5/32", 1/4", 5/16"

Operating pressure:

Maximum pressure 101
psi (7 bar). Details of
minimum and maximum
pilot pressure see overleaf

Media/Ambient temperature:

+23 ... 122°F (-5 ... +50°C)

Air supply must be dry enough
to avoid ice formation at
temperatures below +35°F (+2°C).

Materials:

Body:

ZnDC and ADC

Spool: Aluminum

Seal: NBR

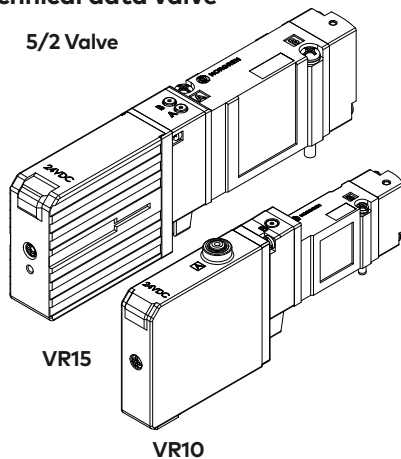
Sub-base: PA66

Electrical details for solenoid operators

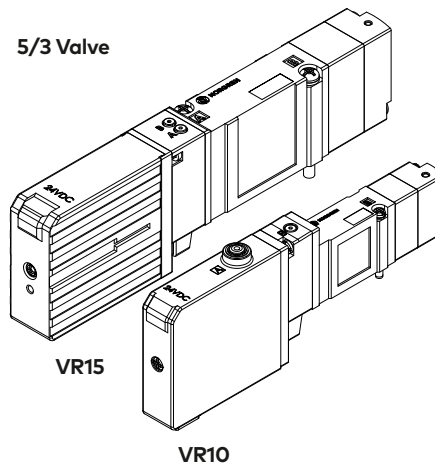
Supply voltage:	24 V d.c
Voltage tolerance	+/- 10%
Power consumption:	24 V d.c 0.45W (Energy saving type)
Electrical connection:	D-Sub Connector 25-Pin
Manual override:	Push only
Rating:	100% E.D.
Indication	LED red/green
Surge suppression	Surge protecting circuit is equipped
Protection class:	IP40

Technical data valve

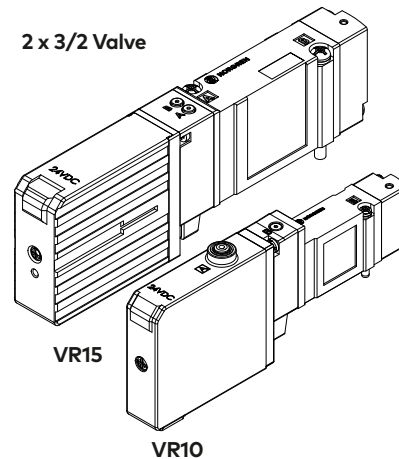
5/2 Valve

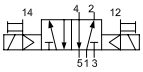
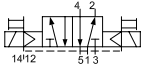
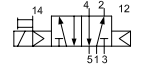
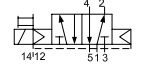
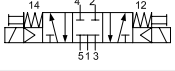
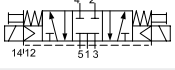
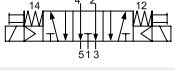
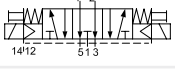
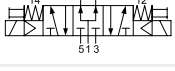
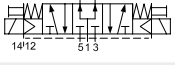
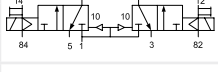
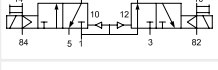
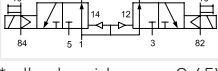


5/3 Valve



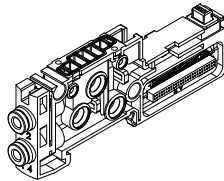
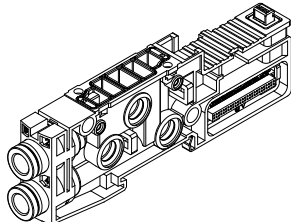
2 x 3/2 Valve



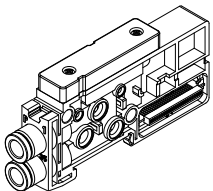
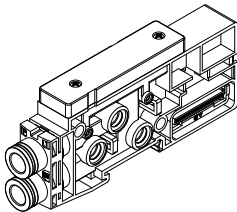
Symbol	Series	Function	Actuation	Pilot Supply	Pilot Pressure psi (bar)	Operating Pressure psi (bar)	Manual Override	Voltage	Weight lbs (kg)	Model NPN	Model PNP
	VR10	5/2	Sol/Sol	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.152 (0.069)	VR10S511AV353A	VR10S511AV313A
	VR15	5/2	Sol/Sol	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.205 (0.093)	VR15S511AV353A	VR15S511AV313A
	VR10	5/2	Sol/Sol	External	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.152 (0.069)	VR10S522AV353A	VR10S522AV313A
	VR15	5/2	Sol/Sol	External	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.205 (0.093)	VR15S522AV353A	VR15S522AV313A
	VR10	5/2	Sol/Spring	Internal	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.134 (0.061)	VR10S513AV353A	VR10S513AV313A
	VR15	5/2	Sol/Spring	Internal	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.185 (0.084)	VR15S513AV353A	VR15S513AV313A
	VR10	5/2	Sol/Spring	External	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.134 (0.061)	VR10S523AV353A	VR10S523AV313A
	VR15	5/2	Sol/Spring	External	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.185 (0.084)	VR15S523AV353A	VR15S523AV313A
	VR10	5/3	APB	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.157 (0.071)	VR10S611AV353A	VR10S611AV313A
	VR15	5/3	APB	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.220 (0.100)	VR15S611AV353A	VR15S611AV313A
	VR10	5/3	APB	External	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.157 (0.071)	VR10S622AV353A	VR10S622AV313A
	VR15	5/3	APB	External	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.220 (0.100)	VR15S622AV353A	VR15S622AV313A
	VR10	5/3	COE	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.157 (0.071)	VR10S711AV353A	VR10S711AV313A
	VR15	5/3	COE	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.220 (0.100)	VR15S711AV353A	VR15S711AV313A
	VR10	5/3	COE	External	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.157 (0.071)	VR10S722AV353A	VR10S722AV313A
	VR15	5/3	COE	External	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.220 (0.100)	VR15S722AV353A	VR15S722AV313A
	VR10	5/3	COP	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.157 (0.071)	VR10S811AV353A	VR10S811AV313A
	VR15	5/3	COP	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.220 (0.100)	VR15S811AV353A	VR15S811AV313A
	VR10	5/3	COP	External	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.157 (0.071)	VR10S822AV353A	VR10S822AV313A
	VR15	5/3	COP	External	29 - 102 (2-7)	-14 - 102 (-1-7)	Push only	24 V d.c *	0.220 (0.100)	VR15S822AV353A	VR15S822AV313A
	VR10	2X3/2	NC/NC	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.152 (0.069)	VR10SA11AV353A	VR10SA11AV313A
	VR15	2X3/2	NC/NC	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.203 (0.092)	VR15SA11AV353A	VR15SA11AV313A
	VR10	2X3/2	NC/NO	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.152 (0.069)	VR10SC11AV353A	VR10SC11AV313A
	VR15	2X3/2	NC/NO	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.203 (0.092)	VR15SC11AV353A	VR15SC11AV313A
	VR10	2X3/2	NO/NO	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.152 (0.069)	VR10SB11AV353A	VR10SB11AV313A
	VR15	2X3/2	NO/NO	Internal	29 - 102 (2-7)	29 - 102 (2-7)	Push only	24 V d.c *	0.203 (0.092)	VR15SB11AV353A	VR15SB11AV313A

* all solenoids are a 0.45W energy saving type

Sub-bases only

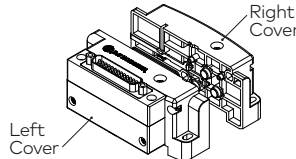
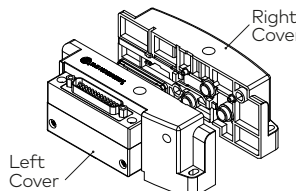
	Series	Port Size	Single / double wiring*	Weight lbs (kg)	Model
	VR10	Ø4	Single	0.079 (0.036)	VR107516AM1114
	VR10	Ø4	Double	0.079 (0.036)	VR107516AM1124
	VR10	Ø6	Single	0.079 (0.036)	VR107516AM1116
	VR10	Ø6	Double	0.079 (0.036)	VR107516AM1126
	VR10	Ø5/32"	Single	0.079 (0.036)	VR107516AM1111
	VR10	Ø5/32"	Double	0.079 (0.036)	VR107516AM1121
	VR10	Ø1/4"	Single	0.079 (0.036)	VR107516AM1119
	VR10	Ø1/4"	Double	0.079 (0.036)	VR107516AM1129
	VR15	Ø4	Single	0.183 (0.083)	VR157516AM1114
	VR15	Ø4	Double	0.183 (0.083)	VR157516AM1124
	VR15	Ø6	Single	0.183 (0.083)	VR157516AM1116
	VR15	Ø6	Double	0.183 (0.083)	VR157516AM1126
	VR15	Ø8	Single	0.183 (0.083)	VR157516AM1118
	VR15	Ø8	Double	0.183 (0.083)	VR157516AM1128
	VR15	Ø5/32"	Single	0.183 (0.083)	VR157516AM1111
	VR15	Ø5/32"	Double	0.183 (0.083)	VR157516AM1121
	VR15	Ø1/4"	Single	0.183 (0.083)	VR157516AM1119
	VR15	Ø1/4"	Double	0.183 (0.083)	VR157516AM1129
	VR15	Ø5/16"	Single	0.183 (0.083)	VR157516AM1110
	VR15	Ø5/16"	Double	0.183 (0.083)	VR157516AM1120

Supply/Exhaust modules only

	Series	Port Size	Pilot Supply	With Silencer	Weight lbs (kg)	Model
	VR10	Ø8	Internal	Yes	0.157 (0.071)	VR107516AMY18
	VR10	Ø8	External	Yes	0.201 (0.091)	VR107516AMY28
	VR10	Ø8	Internal	No	0.157 (0.071)	VR107516AMN18
	VR10	Ø8	External	No	0.201 (0.091)	VR107516AMN28
	VR10	Ø5/16"	Internal	Yes	0.157 (0.071)	VR107516AMY10
	VR10	Ø5/16"	External	Yes	0.201 (0.091)	VR107516AMY20
	VR10	Ø5/16"	Internal	No	0.157 (0.071)	VR107516AMN10
	VR10	Ø5/16"	External	No	0.201 (0.091)	VR107516AMN20
	VR15	Ø10	Internal	Yes	0.231 (0.105)	VR157516AMY1Y
	VR15	Ø10	External	Yes	0.276 (0.125)	VR157516AMY2Y
	VR15	Ø10	Internal	No	0.231 (0.105)	VR157516AMN1Y
	VR15	Ø10	External	No	0.276 (0.125)	VR157516AMN2Y
	VR15	Ø3/8"	Internal	Yes	0.231 (0.105)	VR157516AMY11
	VR15	Ø3/8"	External	Yes	0.276 (0.125)	VR157516AMY21
	VR15	Ø3/8"	Internal	No	0.231 (0.105)	VR157516AMN11
	VR15	Ø3/8"	External	No	0.276 (0.125)	VR157516AMN21

*Sub-bases are available in single and double wired versions. Single wired bases can only be used with single solenoid valves. Double wired bases can be used with both single solenoid and double solenoid valves

End Plates only

	Series	Connector Type	Connector	Cover Location	Orientation	Weight lbs (kg)	Short code	Model
	VR10	D-Sub Connector 25-Pin	None	Right	--	0.132 (0.060)	NO	VR107516AM0901
	VR10	D-Sub Connector 25-Pin	D-Sub	Left	Vertical	0.231 (0.105)	MV	VR107516AM0902
	VR10	D-Sub Connector 25-Pin	D-Sub	Left	Horizontal	0.231 (0.105)	MH	VR107516AM0903
	VR15	D-Sub Connector 25-Pin	None	Right	--	0.190 (0.086)	NO	VR157516AM0901
	VR15	D-Sub Connector 25-Pin	D-Sub	Left	Vertical	0.289 (0.131)	MV	VR157516AM0902
	VR15	D-Sub Connector 25-Pin	D-Sub	Left	Horizontal	0.289 (0.131)	MH	VR157516AM0903

Accessories

Blank Plug



VR**7516AM0400

** Insert 10 for VR10
or 15 for VR15

D-Sub Connector Cable



VR10569-E##

Insert **15** for 1.5m, **03** for
3m and **05** for 5m

Blanking Plate



VR**7516AM0300

** Insert 10 for VR10
or 15 for VR15

DIN Rail



VR**7516AM08##

** Insert **10** for VR10
or **15** for VR15
Insert **06** for max.
6 stations, **10** for 10
stations, **15** for 15 stations,
20 for 20stations, and
24 for 24 stations

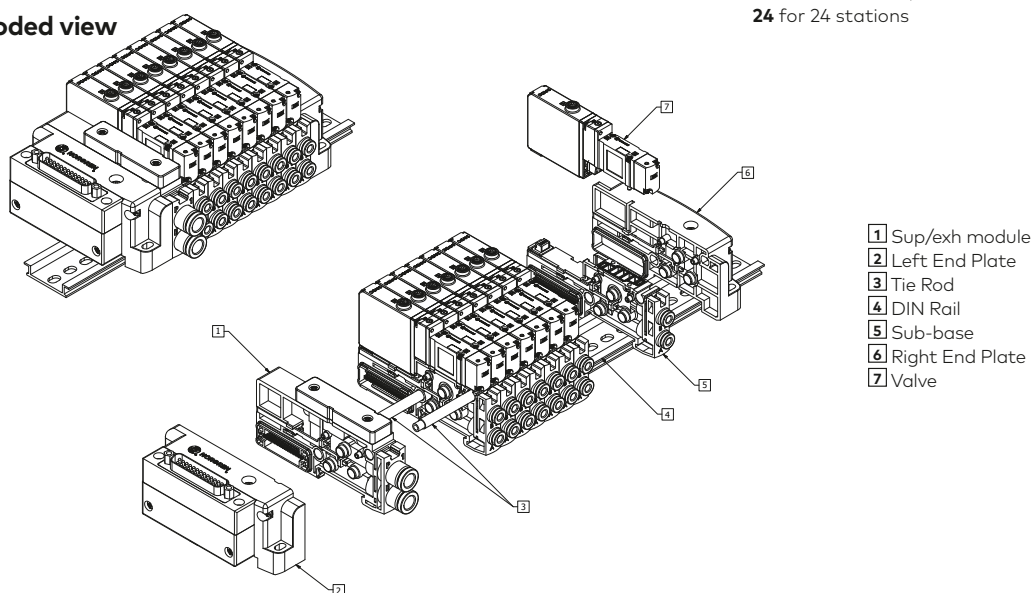
Tie Rod



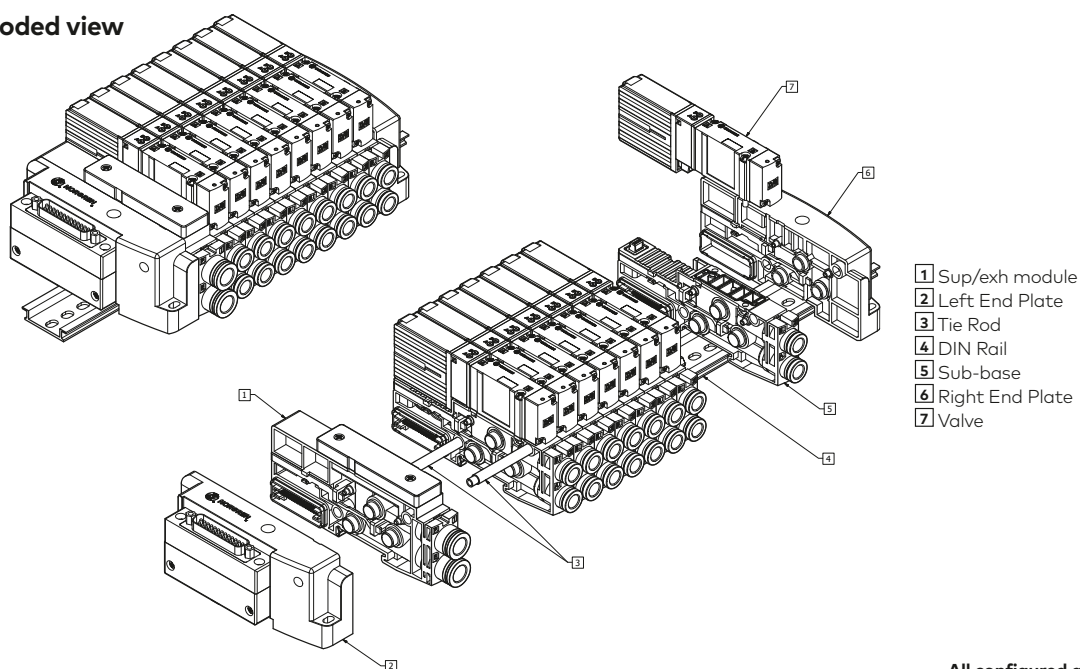
VR**7516AM07#\$

** Insert 10 for VR10
or 15 for VR15
Insert 05...24 for
number of stations.
\$ Insert E1=1, E2 = 2, E3=3
and E4=4 for number
of sup/exh modules

VR10 Exploded view

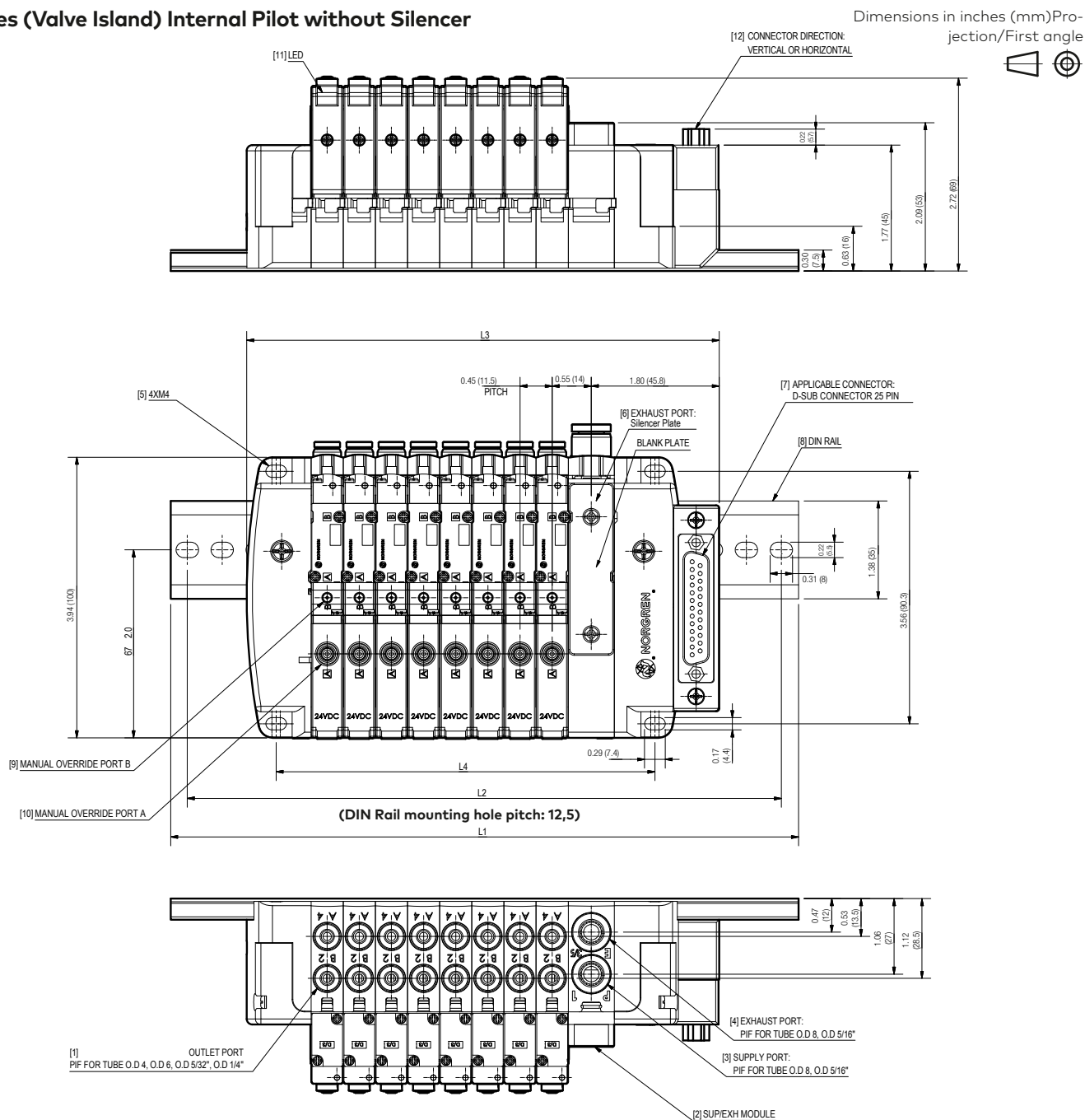


VR15 Exploded view



All configured assemblies must use tie rods

VR10 Series (Valve Island) Internal Pilot without Silencer



[1] Outlet Port: PIF for tube O.D 4, O.D 6, O.D 5/32", O.D 1/4"

[2] Sup/Exh module

[3] Supply Port: PIF for tube O.D 8, O.D 5/16"

[4] Exhaust Port: PIF for tube O.D 8, O.D 5/16"

[5] Mounting 4x M4

[6] Exhaust Port: Blank Plate

[7] Applicable connector: D-Sub Connector 25 Pin

[8] DIN Rail

[9] Manual override (Port 2)

[10] Manual override (Port 4)

[11] LED

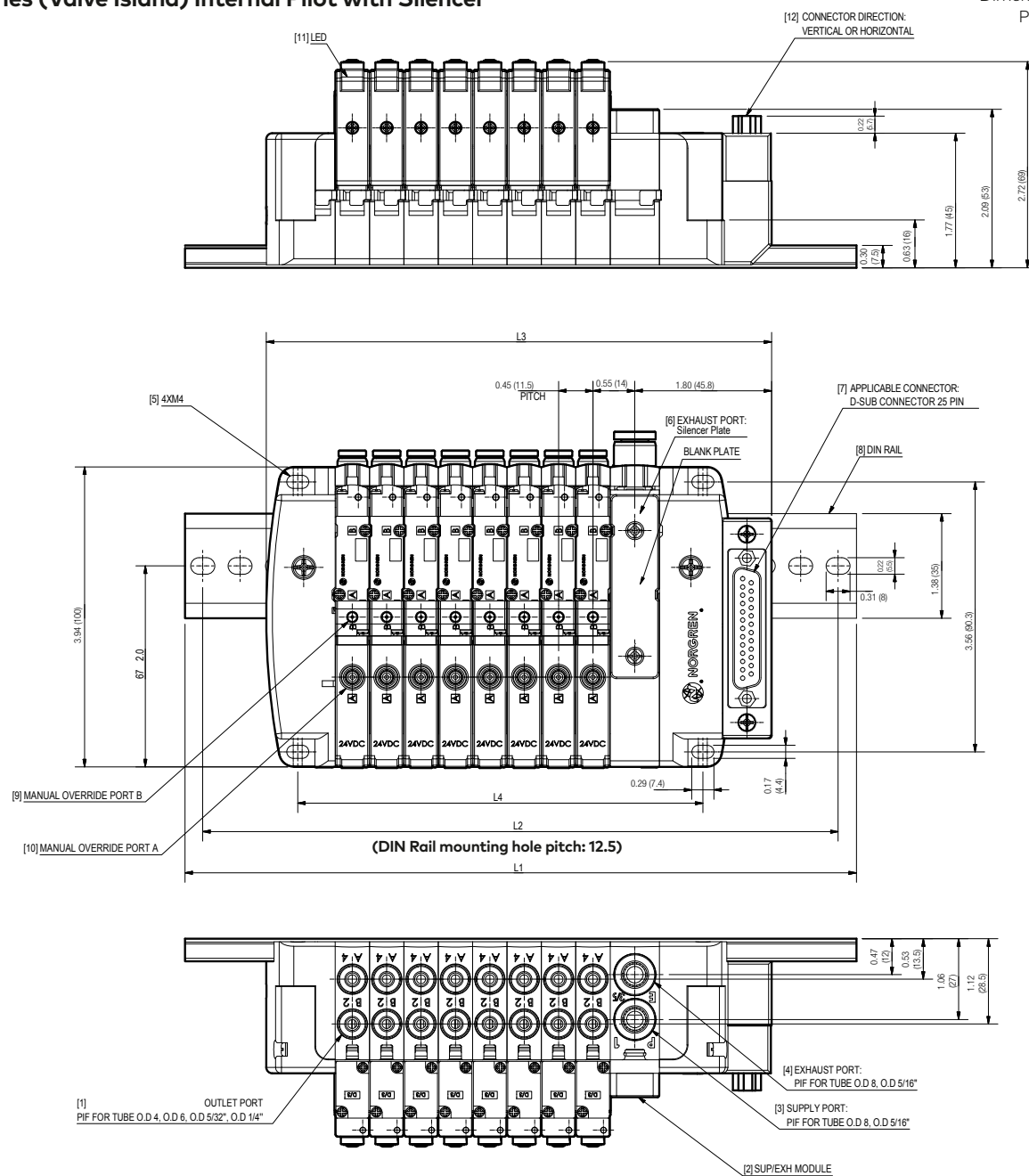
[12] Connector direction: vertical or horizontal

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 in (mm)	79 (200)				9.8 (250)				11.8 (300)				15.3 (387.5)				17.2 (437.5)						
L2 in (mm)	7.4 (187.5)				9.4 (237.5)				11.3 (287.5)				14.8 (375)				16.7 (425)						
L3 in (mm)	3.9 (100)	4.4 (111.5)	4.8 (123)	5.3 (134.5)	5.8 (146)	6.2 (157.5)	6.7 (169)	7.1 (180.5)	7.6 (192)	8.7 (220)	9.6 (231.5)	10.0 (243)	10.5 (254.5)	10.9 (266)	11.4 (277.5)	11.8 (289)	12.3 (300.5)	12.3 (312)	12.7 (323.5)	13.2 (335)	13.6 (346.5)	14.1 (358)	14.5 (369.5)
L4 in (mm)	2.6 (66.5)	3.1 (78)	3.5 (89.5)	4.0 (101)	4.4 (112.5)	4.9 (124)	5.3 (135.5)	5.8 (147)	6.2 (158.5)	7.3 (186.5)	7.8 (198)	8.2 (209.5)	8.7 (221)	9.2 (232.5)	9.6 (244)	10.1 (255.5)	10.5 (267)	11.0 (278.5)	11.4 (290)	11.9 (301.5)	12.3 (313)	12.8 (324.5)	13.2 (336)

*2~10 stations: one sup/exh module is mounted; 11~24 stations: two sup/exh modules are mounted

VR10 Series (Valve Island) Internal Pilot with Silencer

Dimensions in inches (mm)
Projection/First angle



[1] Outlet Port: PIF for tube O.D 4, O.D 6, O.D 5/32", O.D 1/4"

[2] Sup/exh module

[3] Supply Port: PIF for tube O.D 8, O.D 5/16"

[4] Exhaust Port: PIF for tube O.D 8, O.D 5/16"

[5] Mounting 4x M4

[6] Exhaust Port: Silencer plate

[7] Applicable connector: D-Sub Connector 25 Pin

[8] DIN Rail

[9] Manual override (Port 2)

[10] Manual override (Port 4)

[11] LED

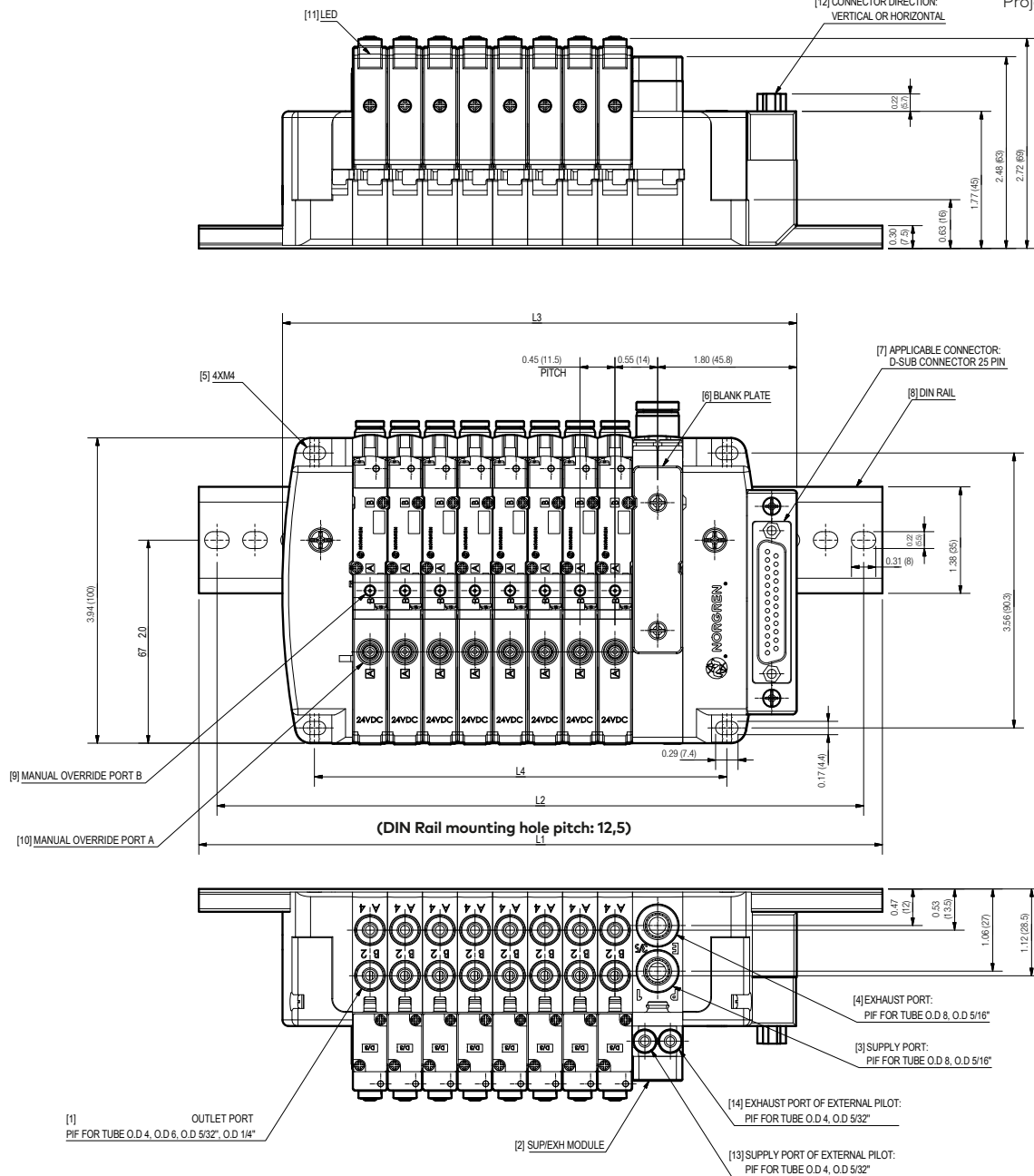
[12] Connector direction: vertical or horizontal

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 in (mm)	79 (200)				9.8 (250)				11.8 (300)				15.3 (387.5)				17.2 (437.5)						
L2 in (mm)	7.4 (187.5)				9.4 (237.5)				11.3 (287.5)				14.8 (375)				16.7 (425)						
L3 in (mm)	3.9 (100)	4.4 (111.5)	4.8 (123)	5.3 (134.5)	5.8 (146)	6.2 (157.5)	6.7 (169)	7.1 (180.5)	7.6 (192)	8.7 (220)	9.6 (243)	9.6 (243)	10.0 (254.5)	10.5 (266)	10.9 (277.5)	11.4 (289)	11.8 (300.5)	12.3 (312)	12.7 (323.5)	13.2 (335)	13.6 (346.5)	14.1 (358)	14.5 (369.5)
L4 in (mm)	2.6 (66.5)	3.1 (78)	3.5 (89.5)	4.0 (101)	4.4 (112.5)	4.9 (124)	5.3 (135.5)	5.8 (147)	6.2 (158.5)	7.3 (186.5)	7.8 (198)	8.2 (209.5)	8.7 (221)	9.2 (232.5)	9.6 (244)	10.1 (255.5)	10.5 (267)	11.0 (278.5)	11.4 (290)	11.9 (301.5)	12.3 (313)	12.8 (324.5)	13.2 (336)

*2~10 stations: one sup/exh module is mounted; 11~24 stations: two sup/exh modules are mounted

VR10 Series (Valve Island) External Pilot without Silencer

Dimensions in inches (mm)
Projection/First angle



[1] Outlet Port: PIF for tube O.D. 4, O.D. 6, O.D. 5/32", O.D. 1/4"

[2] Sup/exh module

[3] Supply Port: PIF for tube O.D. 8, O.D. 5/16"

[4] Exhaust Port: PIF for tube O.D. 8, O.D. 5/16"

[5] Mounting 4x M4

[6] Exhaust Port: Blank Plate

[7] Applicable connector: D-Sub Connector 25 Pin

[8] DIN Rail

[9] Manual override (Port 2)

[10] Manual override (Port 4)

[11] LED

[12] Connector direction: vertical or horizontal

[13] Supply Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"

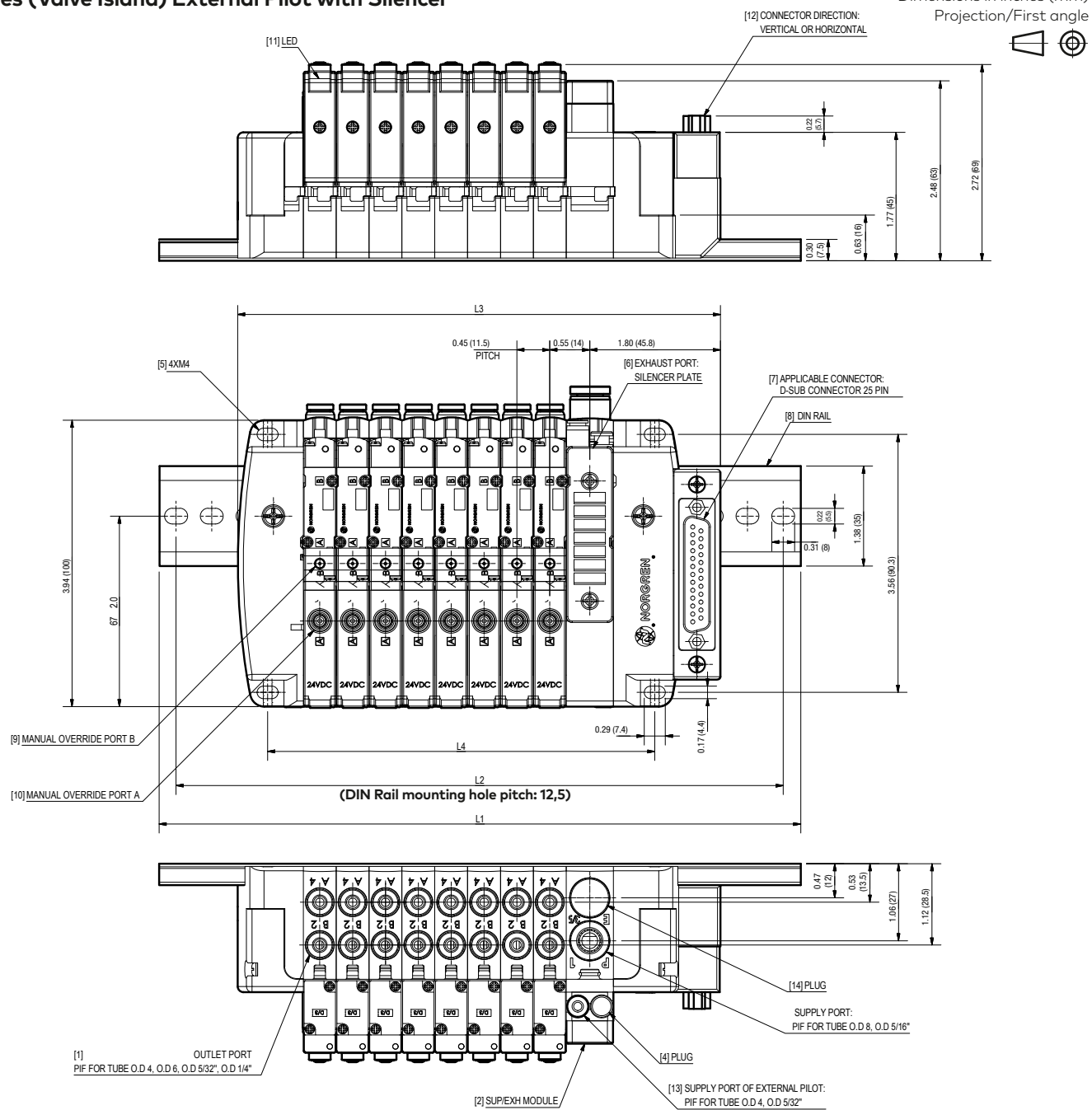
[14] Exhaust Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 in (mm)	79 (200)					9.8 (250)					11.8 (300)					15.3 (387.5)					17.2 (437.5)		
L2 in (mm)	7.4 (187.5)					9.4 (237.5)					11.3 (287.5)					14.8 (375)					16.7 (425)		
L3 in (mm)	39 (100)	4.4 (111.5)	4.8 (123)	5.3 (134.5)	5.8 (146)	6.2 (157.5)	6.7 (169)	7.1 (180.5)	7.6 (192)	8.7 (220)	9.6 (231.5)	9.6 (243)	10.0 (254.5)	10.5 (266)	10.9 (277.5)	11.4 (289)	11.8 (300.5)	12.3 (312)	12.7 (323.5)	13.2 (335)	13.6 (346.5)	14.1 (358)	14.5 (369.5)
L4 in (mm)	2.6 (66.5)	3.1 (78)	3.5 (89.5)	4.0 (101)	4.4 (112.5)	4.9 (124)	5.3 (135.5)	5.8 (147)	6.2 (158.5)	7.3 (186.5)	7.8 (198)	8.2 (209.5)	8.7 (221)	9.2 (232.5)	9.6 (244)	10.1 (255.5)	10.5 (267)	11.0 (278.5)	11.4 (290)	11.9 (301.5)	12.3 (313)	12.8 (324.5)	13.2 (336)

*2-10 stations: one sup/exh module is mounted; 11-24 stations: two sup/exh modules are mounted

VR10 Series (Valve Island) External Pilot with Silencer

Dimensions in inches (mm)
Projection/First angle



1 Outlet Port: PIF for tube O.D 4, O.D 6, O.D 5/32", O.D 1/4"

2 Sup/exh module

3 Supply Port: PIF for tube O.D 8, O.D 5/16"

4 Plug

5 Mounting 4x M4

6 Exhaust Port: Silencer Plate

7 Applicable connector: D-Sub Connector 25 Pin

8 DIN Rail

9 Manual override (Port 2)

10 Manual override (Port 4)

11 LED

12 Connector direction: vertical or horizontal

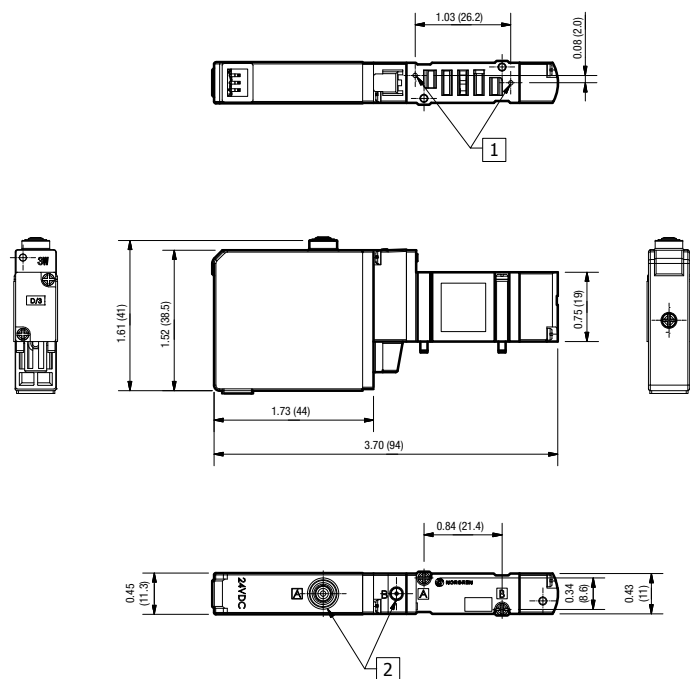
13 Supply Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"

14 Plug

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 in (mm)	79 (200)					9.8 (250)					11.8 (300)					15.3 (387.5)					17.2 (437.5)		
L2 in (mm)	7.4 (187.5)					9.4 (237.5)					11.3 (287.5)					14.8 (375)					16.7 (425)		
L3 in (mm)	39 (100)	4.4 (111.5)	4.8 (123)	5.3 (134.5)	5.8 (146)	6.2 (157.5)	6.7 (169)	7.1 (180.5)	7.6 (192)	8.7 (220)	9.6 (243)	9.6 (243)	10.0 (254.5)	10.5 (266)	10.9 (277.5)	11.4 (289)	11.8 (300.5)	12.3 (312)	12.7 (323.5)	13.2 (335)	13.6 (346.5)	14.1 (358)	14.5 (369.5)
L4 in (mm)	2.6 (66.5)	3.1 (78)	3.5 (89.5)	4.0 (101)	4.4 (112.5)	4.9 (124)	5.3 (135.5)	5.8 (147)	6.2 (158.5)	7.3 (186.5)	7.8 (198)	8.2 (209.5)	8.7 (221)	9.2 (232.5)	9.6 (244)	10.1 (255.5)	10.5 (267)	11.0 (278.5)	11.4 (290)	11.9 (301.5)	12.3 (313)	12.8 (324.5)	13.2 (336)

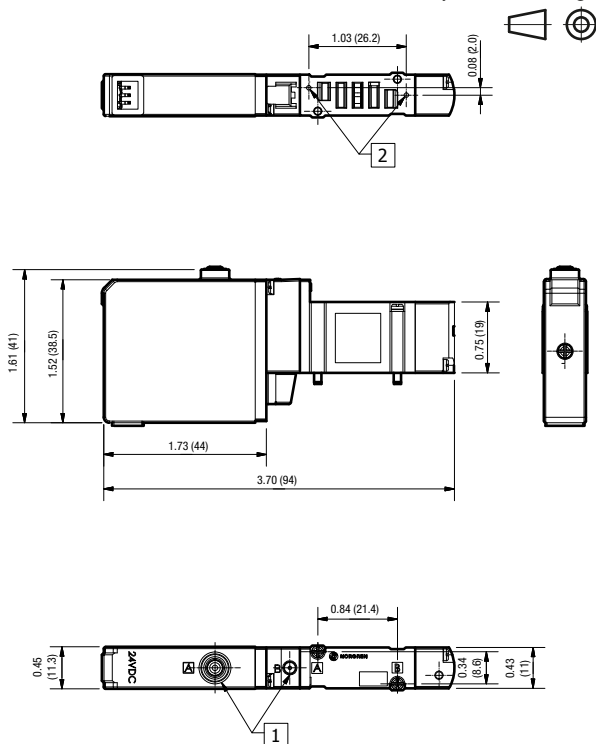
*2~10 stations: one sup/exh module is mounted; 11~24 stations: two sup/exh modules are mounted

VR10 Series (Valve) 2x3/2

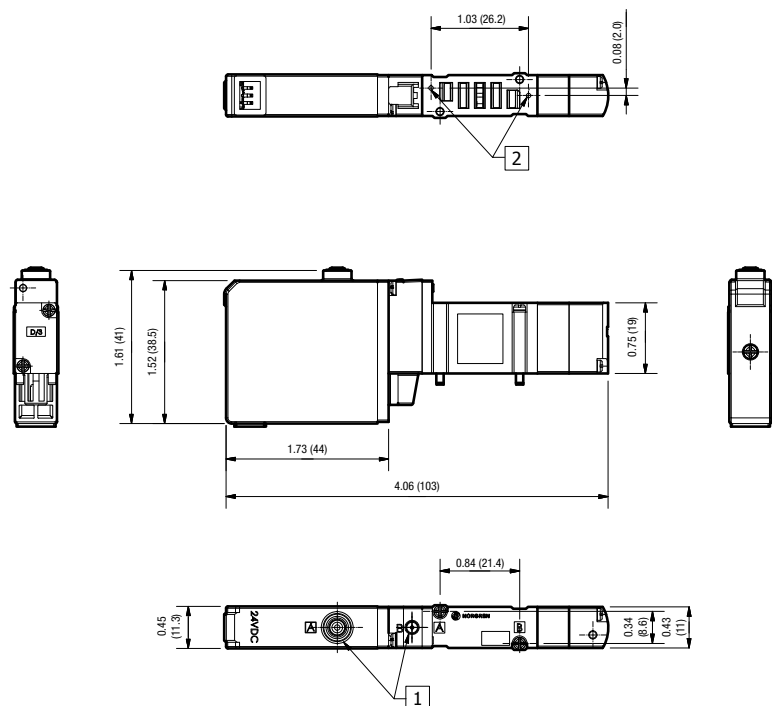


VR10 Series (Valve) 5/2

Dimensions in inches (mm)
Projection/First angle



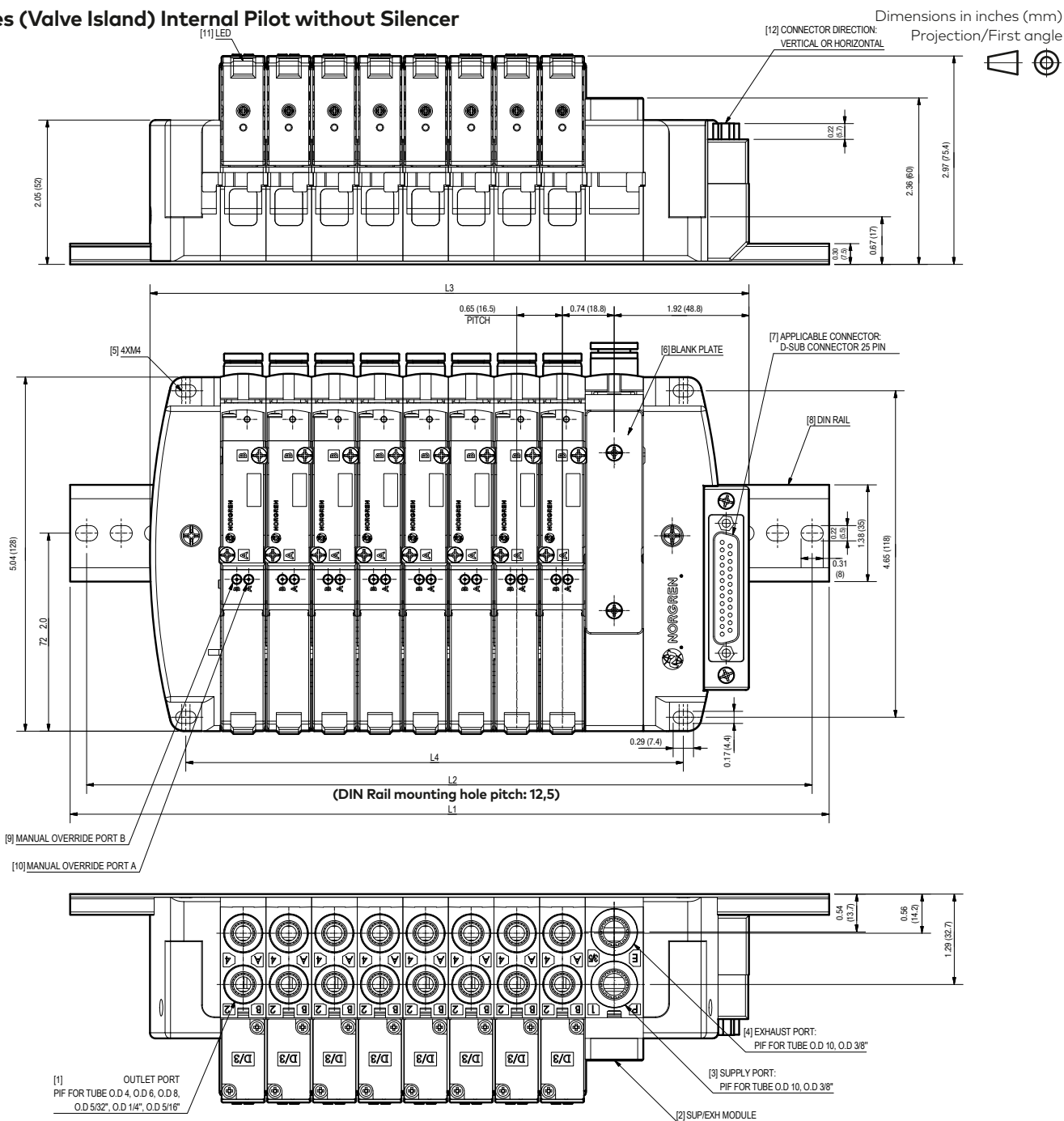
VR10 Series (Valve) 5/3



1 Manual override

2 Pilot supply holes

VR15 Series (Valve Island) Internal Pilot without Silencer



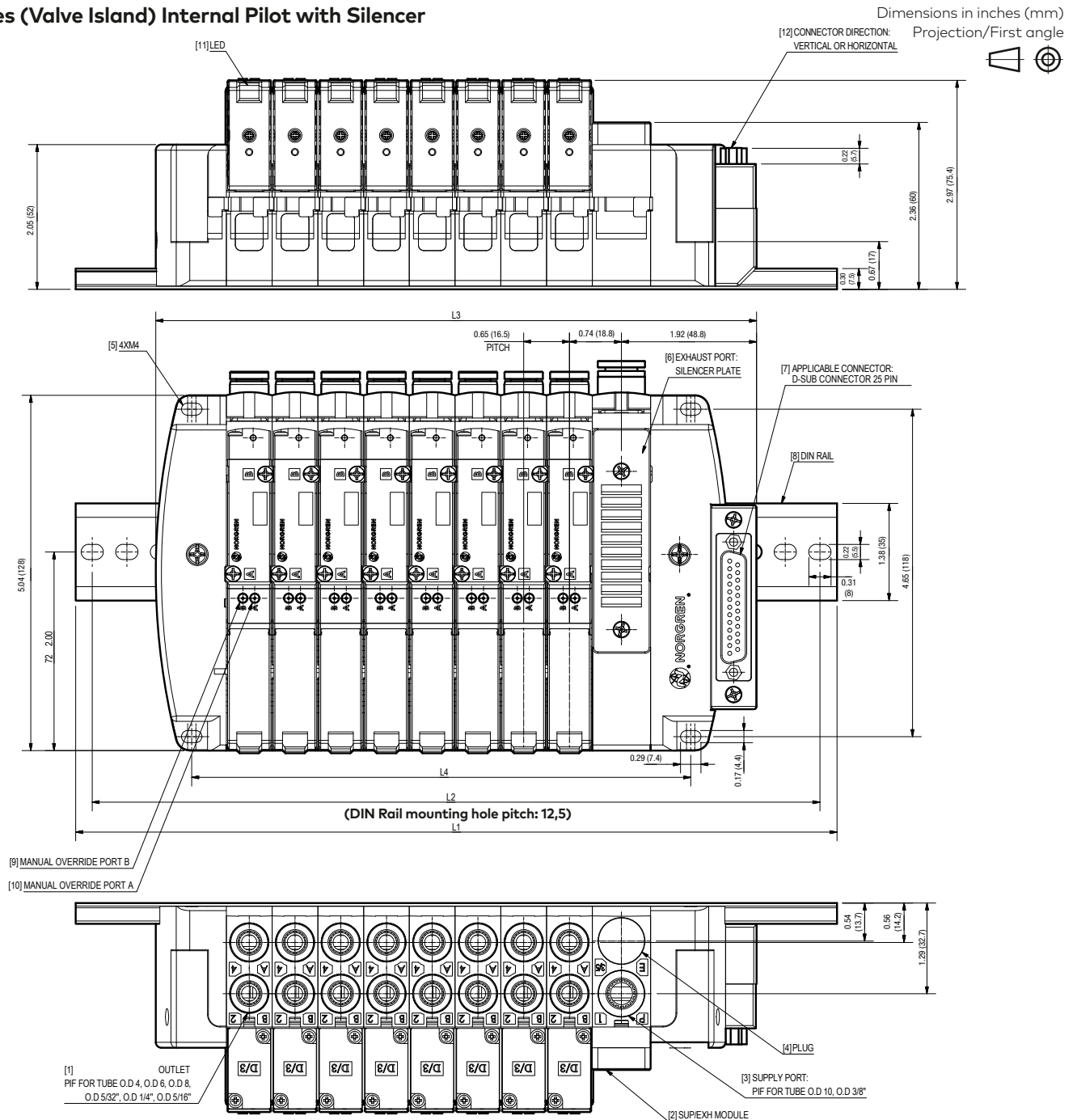
- [1] Outlet Port: PIF for tube O.D 6, O.D 8, O.D 1/4", O.D 5/16"
- [2] Sup/exh module
- [3] Supply Port: PIF for tube O.D 10, O.D 3/8"
- [4] Exhaust Port: PIF for tube O.D 10, O.D 3/8"
- [5] Mounting 4x M4
- [6] Exhaust Port: Blank Plate

- [7] Applicable connector: D-Sub Connector 25 Pin
- [8] DIN Rail
- [9] Manual override (Port 2)
- [10] Manual override (Port 4)
- [11] LED
- [12] Connector direction: vertical or horizontal

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 (mm)	9.3 (250)					11.8 (300)					15.8 (400)					19.7 (500)					23.1 (587)		
L2 (mm)	9.4 (237.5)					11.3 (287.5)					15.3 (387.5)					19.2 (487.5)					22.6 (574.5)		
L3 (mm)	4.6 (117.7)	5.3 (134.2)	5.9 (150.7)	6.6 (167.2)	7.2 (183.7)	7.9 (200.2)	8.5 (216.7)	9.2 (233.2)	9.8 (249.7)	11.3 (287.2)	12.0 (303.7)	12.6 (320.2)	13.3 (336.7)	13.9 (353.2)	14.6 (369.7)	15.2 (386.2)	15.9 (402.7)	16.5 (419.2)	17.2 (435.7)	17.8 (452.2)	18.5 (468.7)	19.1 (485.2)	19.6 (501.7)
L4 (mm)	3.2 (81)	3.8 (97.5)	4.5 (114)	5.1 (130.5)	5.8 (147)	6.4 (163.5)	7.1 (180)	7.7 (196.5)	8.4 (213)	9.9 (250.5)	10.5 (267)	11.2 (283.5)	11.8 (300)	12.5 (316.5)	13.1 (333)	13.8 (349.5)	14.4 (366)	15.1 (382.5)	15.7 (399)	16.4 (415.5)	17.0 (432)	17.7 (448.5)	18.3 (465)

*2-10 stations: one sup/exh module is mounted; 11-24 stations: two sup/exh modules are mounted

VR15 Series (Valve Island) Internal Pilot with Silencer



1 Outlet Port: PIF for tube O.D 6, O.D 8, O.D 1/4", O.D 5/16"

2 Sup/exh module

3 Supply Port: PIF for tube O.D 10, O.D 3/8"

4 Plug

5 Mounting 4x M4

6 Exhaust Port: Silencer Plate

7 Applicable connector: D-Sub Connector 25 Pin

8 DIN rail

9 Manual override (Port 2)

10 Manual override (Port 4)

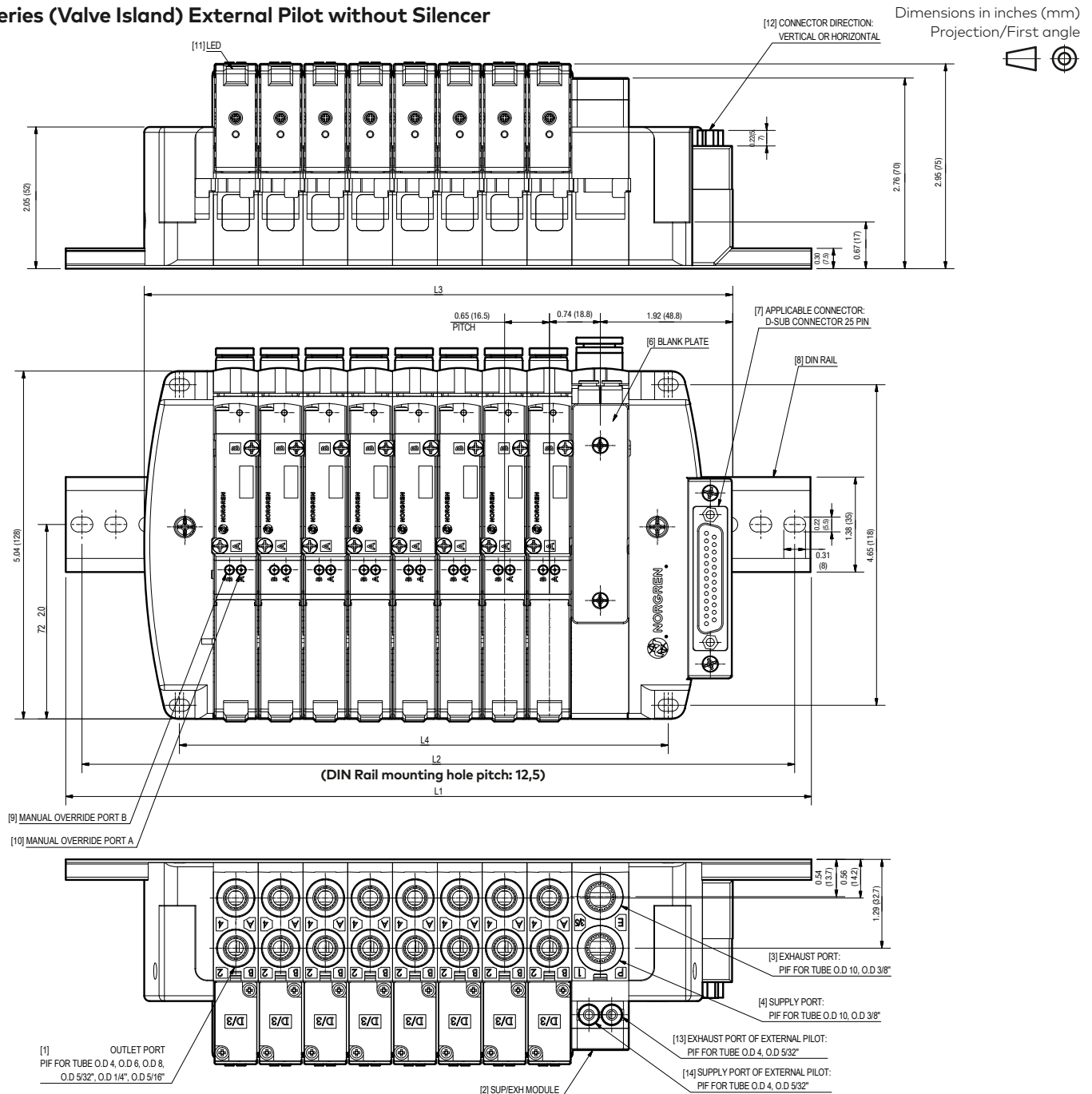
11 LED

12 Connector direction: vertical or horizontal

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 (mm)	9.3 (250)					11.8 (300)					15.8 (400)					19.7 (500)					23.1 (587)		
L2 (mm)	9.4 (237.5)					11.3 (287.5)					15.3 (387.5)					19.2 (487.5)					22.6 (574.5)		
L3 (mm)	4.6 (117.7)	5.3 (134.2)	5.9 (150.7)	6.6 (167.2)	7.2 (183.7)	7.9 (200.2)	8.5 (216.7)	9.2 (233.2)	9.8 (249.7)	11.3 (287.2)	12.0 (303.7)	12.6 (320.2)	13.3 (336.7)	13.9 (353.2)	14.6 (369.7)	15.2 (386.2)	15.9 (402.7)	16.5 (419.2)	17.2 (435.7)	17.8 (452.2)	18.5 (468.7)	19.1 (485.2)	19.6 (501.7)
L4 (mm)	3.2 (81)	3.8 (97.5)	4.5 (114)	5.1 (130.5)	5.8 (147)	6.4 (163.5)	7.1 (180)	7.7 (196.5)	8.4 (213)	9.9 (250.5)	10.5 (267)	11.2 (283.5)	11.8 (300)	12.5 (316.5)	13.1 (333)	13.8 (349.5)	14.4 (366)	15.1 (382.5)	15.7 (399)	16.4 (415.5)	17.0 (432)	17.7 (448.5)	18.3 (465)

*2~10 stations: one sup/exh module is mounted; 11~24 stations: two sup/exh modules are mounted

VR15 Series (Valve Island) External Pilot without Silencer



1 Outlet Port: PIF for tube O.D 6, O.D 8, O.D 1/4", O.D 5/16"

2 Sup/exh module

3 Supply Port: PIF for tube O.D 10, O.D 3/8"

4 Exhaust Port: PIF for tube O.D 10, O.D 3/8"

5 Mounting 4x M4

6 Exhaust Port: Blank Plate

7 Applicable connector: D-Sub Connector 25 Pin

8 DIN Rail

9 Manual override (Port 2)

10 Manual override (Port 4)

11 LED

12 Connector direction: vertical or horizontal

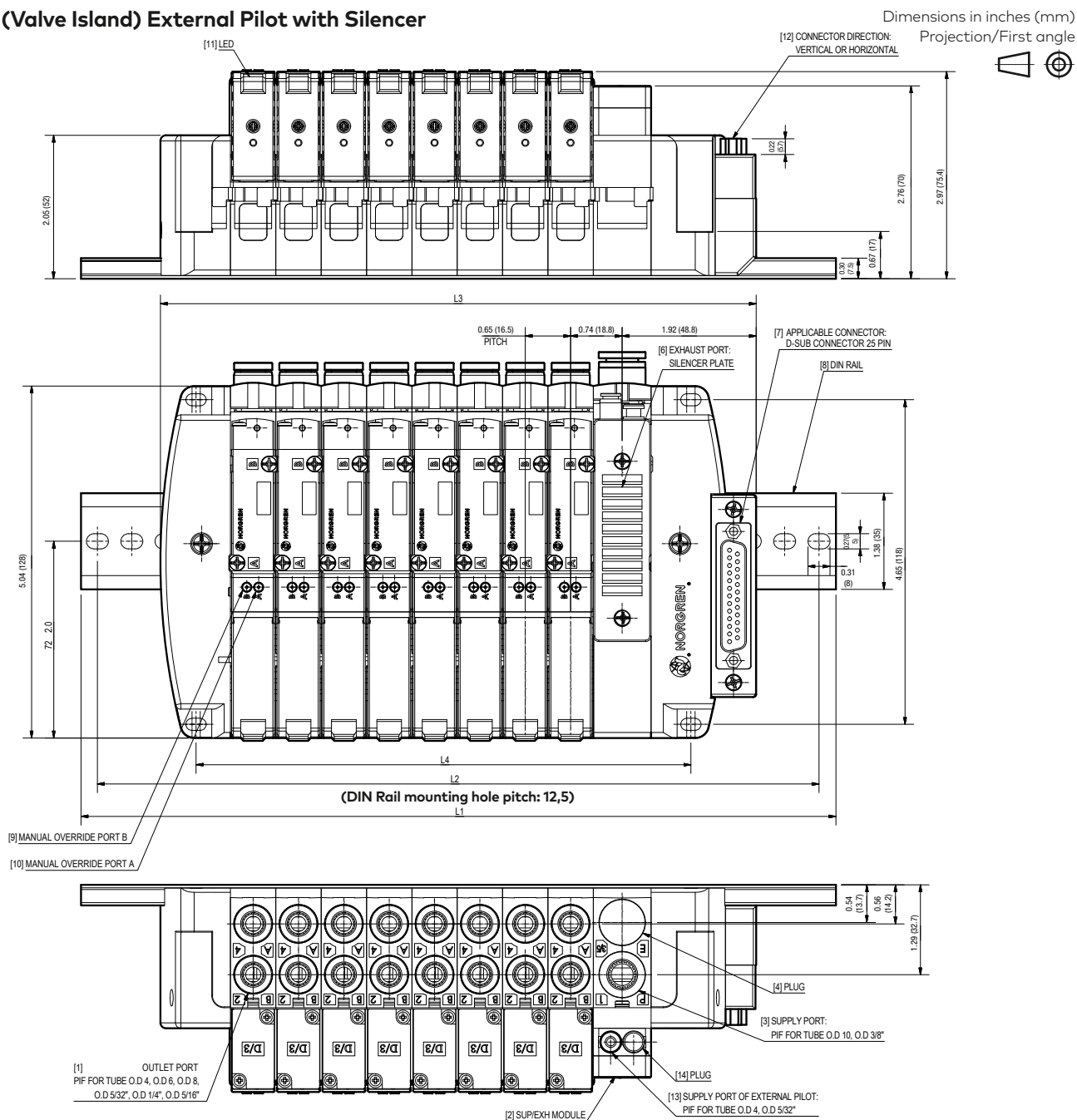
13 Supply Port of external pilot: PIF for tube O.D. 4, O.D. 5/32

14 Exhaust Port of external pilot: PIF for tube O.D. 4, O.D. 5/32"

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 (mm)	9.3 (250)				11.8 (300)				15.8 (400)				19.7 (500)				23.1 (587)						
L2 (mm)	9.4 (237.5)				11.3 (287.5)				15.3 (387.5)				19.2 (487.5)				22.6 (574.5)						
L3 (mm)	4.6 (117.7)	5.3 (134.2)	5.9 (150.7)	6.6 (167.2)	7.2 (183.7)	7.9 (200.2)	8.5 (216.7)	9.2 (233.2)	9.8 (249.7)	11.3 (287.2)	12.0 (303.7)	12.6 (320.2)	13.3 (336.7)	13.9 (353.2)	14.6 (369.7)	15.2 (386.2)	15.9 (402.7)	16.5 (419.2)	17.2 (435.7)	17.8 (452.2)	18.5 (468.7)	19.1 (485.2)	19.6 (501.7)
L4 (mm)	3.2 (81)	3.8 (97.5)	4.5 (114)	5.1 (130.5)	5.8 (147)	6.4 (163.5)	7.1 (180)	7.7 (196.5)	8.4 (213)	9.9 (250.5)	10.5 (267)	11.2 (283.5)	11.8 (300)	12.5 (316.5)	13.1 (333)	13.8 (349.5)	14.4 (366)	15.1 (382.5)	15.7 (399)	16.4 (415.5)	17.0 (432)	17.7 (448.5)	18.3 (465)

*2~10 stations: one sup/exh module is mounted; 11~24 stations: two sup/exh modules are mounted

VR15 Series (Valve Island) External Pilot with Silencer



1 Outlet Port: PIF for tube O.D 6, O.D 8, O.D 1/4", O.D 5/16"

2 Sup/exh module

3 Supply Port: PIF for tube O.D 10, O.D 3/8"

4 Plug

5 Mounting 4x M4

6 Exhaust Port: Silencer Plate

7 Applicable connector: D-Sub Connector 25 Pin

8 DIN Rail

9 Manual override (Port 2)

10 Manual override (Port 4)

11 LED

12 Connector direction: vertical or horizontal

13 Supply Port of external pilot: PIF for tube O.D. 4, O.D. 5/32

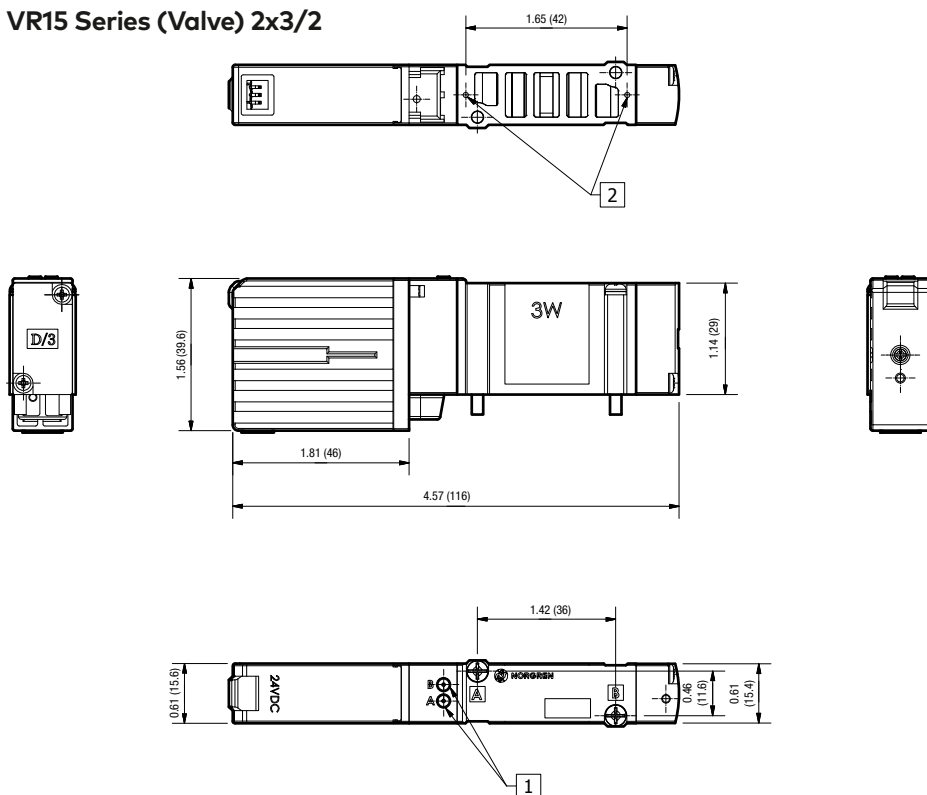
14 Plug

N: Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1 (mm)	9.3 (250)				11.8 (300)				15.8 (400)				19.7 (500)				23.1 (587)						
L2 (mm)	9.4 (237.5)				11.3 (287.5)				15.3 (387.5)				19.2 (487.5)				22.6 (574.5)						
L3 (mm)	4.6 (117.7)	5.3 (134.2)	5.9 (150.7)	6.6 (167.2)	7.2 (183.7)	7.9 (200.2)	8.5 (216.7)	9.2 (233.2)	9.8 (249.7)	11.3 (287.2)	12.0 (303.7)	12.6 (320.2)	13.3 (336.7)	13.9 (353.2)	14.6 (369.7)	15.2 (386.2)	15.9 (402.7)	16.5 (419.2)	17.2 (435.7)	17.8 (452.2)	18.5 (468.7)	19.1 (485.2)	19.6 (501.7)
L4 (mm)	3.2 (81)	3.8 (97.5)	4.5 (114)	5.1 (130.5)	5.8 (147)	6.4 (163.5)	7.1 (180)	7.7 (196.5)	8.4 (213)	9.9 (250.5)	10.5 (267)	11.2 (283.5)	11.8 (300)	12.5 (316.5)	13.1 (333)	13.8 (349.5)	14.4 (366)	15.1 (382.5)	15.7 (399)	16.4 (415.5)	17.0 (432)	17.7 (448.5)	18.3 (465)

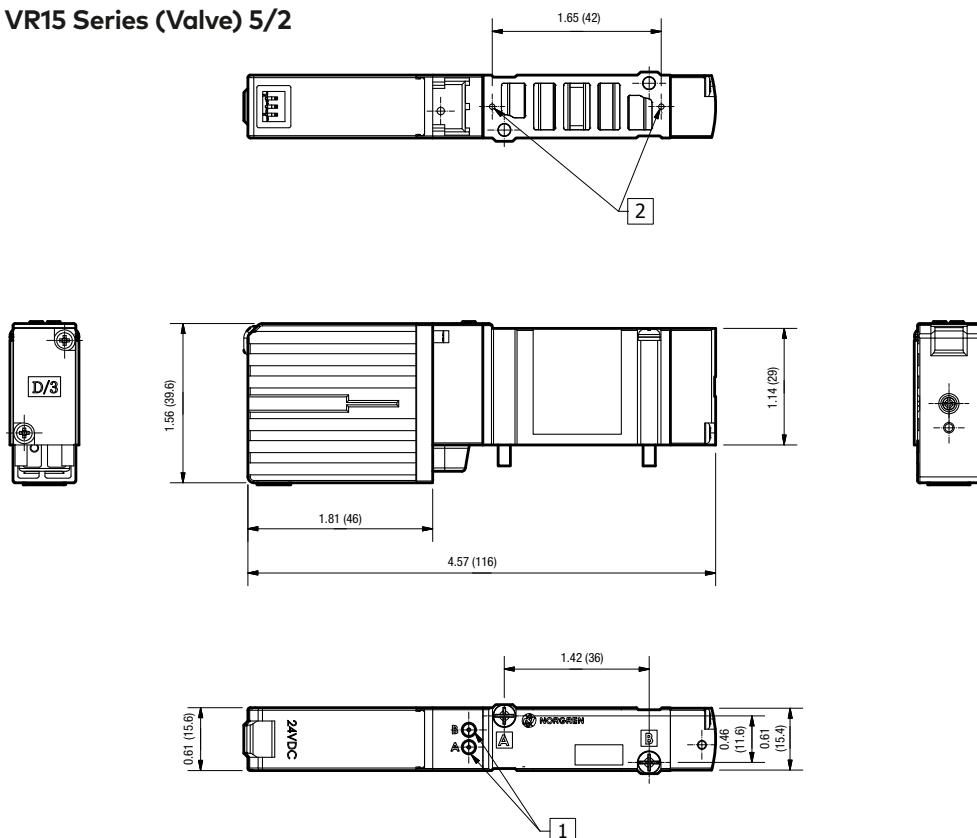
*2-10 stations: one sup/exh module is mounted; 11-24 stations: two sup/exh modules are mounted

VR15 Series (Valve) 2x3/2

Dimensions in inches (mm)
Projection/First angle



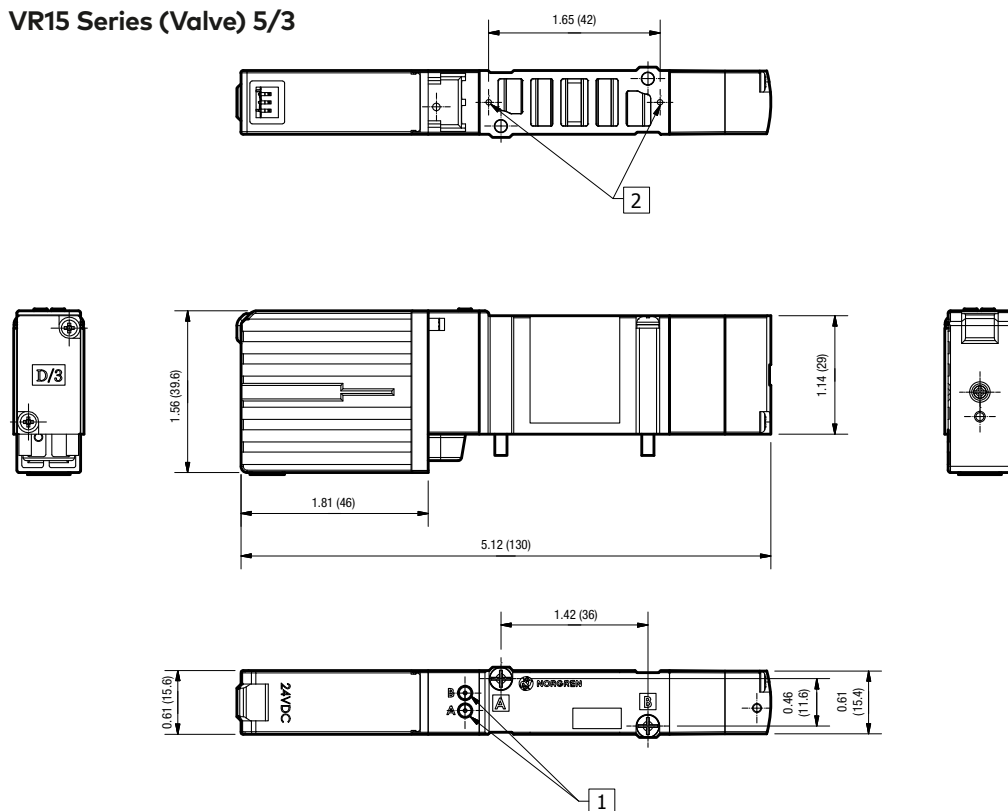
VR15 Series (Valve) 5/2



1 Manual override

2 Pilot supply holes

VR15 Series (Valve) 5/3



1 Manual override

2 Pilot supply holes

Option selector - valve slices

Series	Substitute
VR10	10
VR15	15
Spool Type	Substitute
Softseal Dynamic	S
Function	Substitute
5/2	5
5/3 APB	6
5/3 COE	7
5/3 COP	8
2x3/2 NC/NC	A
2x3/2 NO/NO	B
2x3/2 NC/NO	C
Operator	Substitute
Solenoid Internal Pilot	1
Solenoid External Pilot	2

* Internal Pilot Only

VR★S★★★AV3★3A

Connection	Substitute
Plug-in	A
Voltage	Substitute
24 V d.c.	3
Electrical	Substitute
Common Positive (NPN)	5
Common Negative (PNP)	1
Override	Substitute
Push only	3
Type	Substitute
Valve	V
IP Rating	Substitute
IP40	A
Operator	Substitute
Solenoid Internal Pilot	1
Solenoid External Pilot	2
Air Spring Return	3

Option selector - blank plate

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
Standard	A

VR ★ ★ 7516 A M 0300

Option	Substitute
Blank Plate	0300
Type	Substitute
Manifold	M

Option selector - Sub-base

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
IP Rating	Substitute
IP40	A
Type	Substitute
Manifold	M
Option	Substitute
Sub-base	11
Base Style	Substitute
Single Wiring	1
Double Wiring	2

VR ★ ★ 7516 A M 11 ★ ★

Fitting Size	Substitute
3mm PIF VR10	3
4mm PIF VR10	4
6mm PIF VR10	6
5/32" PIF VR10	1
1/4" PIF VR10	9
4mm PIF VR15	4
6mm PIF VR15	6
8mm PIF VR15	8
5/32" PIF VR15	1
1/4" PIF VR15	9
5/16" PIF VR15	0
5/16" PIF VR15	0

Option selector - End Plate

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
IP Rating	Substitute
IP40	A

VR ★ ★ 7516 A M ★ ★

Base Style	Substitute
End Plate (Right Side)	01
Horizontal D-Sub Connector (Left Side)	02
Vertical D-Sub Connector (Left Side)	03
Option	Substitute
End Plate	09
Type	Substitute
Manifold	M

Option selector - Supply/Exhaust Module

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
IP Rating	Substitute
IP40	A
Type	Substitute
Manifold	M

VR ★ ★ 7516 A M ★ ★ ★

Fitting Size	Substitute
8mm PIF VR10	8
5/16" PIF VR10	0
10mm PIF VR15	Y
3/8" PIF VR15	1
Base Style	Substitute
Internal Pilot Base	1
External Pilot Base	2
Silencer Incorporated	Substitute
No	N
Yes	Y

Option selector - D-Sub Connector Cable

Series	Substitute
VR10	10
VR15	15
IP Rating	Substitute
IP40	A

VR ★ ★ A 569 - ★ ★

Cable Length	Substitute
1.5m	E15
3.0m	E03
5.0m	E05
Style	Substitute
Straight D-Sub 25 Pin	569

Option selector - Tie Rod

VR ★ ★ 7516 A M 07 ★ ★

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
Option	Substitute
Standard	A
Type	Substitute
Manifold	M
Component Type	Substitute
Tie-rod Assembly	07

Number of Supply/Exhaust Modules Used	Substitute
1 Supply/Exhaust Module	E1
2 Supply/Exhaust Module	E2
3 Supply/Exhaust Module	E3
4 Supply/Exhaust Module	E4
Number of Stations	Substitute
2 stations	2
3 stations	3
4 stations	4
5 stations	5
6 stations	6
7 stations	7
8 stations	8
9 stations	9
10 stations	10
11 stations	11
12 stations	12
13 stations	13
14 stations	14
15 stations	15
16 stations	16
17 stations	17
18 stations	18
19 stations	19
20 stations	20
21 stations	21
22 stations	22
23 stations	23
24 stations	24

Option selector - DIN Rail

VR ★ ★ 7516 A M 08 ★

Series	Substitute
VR10	10
VR15	15
Type	Substitute
Component	7516
Option	Substitute
Standard	A
Type	Substitute
Manifold	M
Component Type	Substitute
DIN Rail	08

Length	Substitute
06 = 2-6 stations	06
10 = 7-10 stations	10
15 = 11-15 stations	15
20 = 16-20 stations	20
24 = 21-24 stations	24

D-Sub connector Wiring

Pin no.	Wire color	Socket	Pilot	Station
1	Black	Solenoid 1-a	14	1
2	Black, White	Solenoid 2-a	14	2
3	Brown	Solenoid 3-a	14	3
4	Brown, White	Solenoid 4-a	14	4
5	Red	Solenoid 5-a	14	5
6	Red, Yellow	Solenoid 6-a	14	6
7	Red, White	Solenoid 7-a	14	7
8	Pink	Solenoid 8-a	14	8
9	Pink, White	Solenoid 9-a	14	9
10	Yellow	Solenoid 10-a	14	10
11	Yellow, Red	Solenoid 11-a	14	11
12	Yellow, Blue	Solenoid 12-a	14	12
13	Green	Common	--	--
14	Green, Yellow	Solenoid 1-b	12	1
15	Green, White	Solenoid 2-b	12	2
16	Blue	Solenoid 3-b	12	3
17	Blue, Yellow	Solenoid 4-b	12	4
18	Blue, White	Solenoid 5-b	12	5
19	Violet	Solenoid 6-b	12	6
20	Violet, White	Solenoid 7-b	12	7
21	Gray	Solenoid 8-b	12	8
22	Gray, Red	Solenoid 9-b	12	9
23	White	Solenoid 10-b	12	10
24	White, Red	Solenoid 11-b	12	11
25	White, Blue	Solenoid 12-b	12	12

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.