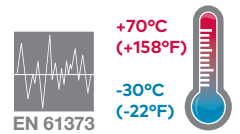


VR030, VRX30, (SUPER X), 3/2 or 5/2 Pilot actuated spool valves

- > Port size: 1/8" and 1/4" (ISO G/ PTF)
- > Wide range of operators
- > Suitable for multi-directional flow and dual supply applications
- > High flow capacity
- > Wide temperature range
- > Shock and vibration tested to EN 61373, Category 1, class A and B



Technical features

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operation:

Spool valve, directly and indirectly actuated

Operating pressure:

Max. 10 bar (145 psi)

Flow:

Size	l/min	Cv	Kv
1/8"	335	0,34	0,295
1/4"	965	0,98	0,351

Ports:

G1/8, G1/4, 1/8 PTF, 1/4 PTF

Mounting:

Through-holes in valve body

Ambient/Media temperature:

-30 ... +70°C (-22 ... +158°F)

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

Materials:

Body: diecast zinc

End cover: aluminium or glass-filled nylon

Seals: NBR

Technical data
3/2 Pilot actuated valves

Symbol	Port size	Actuation	Operating pressure (bar)	Operating force (N)	Weight (kg)	Spares kit	Dimension	Model
							No.	
	G1/8	Air/spring	-0,9 ... 10	2 ... 10	0,21	VR03 8447 02	1	VR03041302
	1/8 PTF	Air/spring	-0,9 ... 10	2 ... 10	0,21	VR03 8447 02	1	VR03041322
	G1/4	Air/spring	-0,9 ... 10	2 ... 10	0,42	VR03 8612 02	7	VR03060102
	1/4 PTF	Air/spring	-0,9 ... 10	2 ... 10	0,42	VR03 8612 02	7	VR03060122
	G1/8	Air/air	-0,9 ... 10	2 ... 10	0,22	VR03 8447 02	2	VR03040702
	1/8 PTF	Air/air	-0,9 ... 10	2 ... 10	0,22	VR03 8447 02	2	VR03040722
	G1/4	Air/air	-0,9 ... 10	2 ... 10	0,42	VR03 8612 02	8	VR03060702
	1/4 PTF	Air/air	-0,9 ... 10	2 ... 10	0,42	VR03 8612 02	8	VR03060722
	G1/8	Air priority/air	-0,9 ... 10	2 ... 10	0,25	VR03 8447 02	3	VR03041202
	1/8 PTF	Air priority/air	-0,9 ... 10	2 ... 10	0,25	VR03 8447 02	3	VR03041222
	G1/4	Air priority/air	-0,9 ... 10	2 ... 10	0,42	VR03 8612 02	8	VR03061202
	1/4 PTF	Air priority/air	-0,9 ... 10	2 ... 10	0,42	VR03 8612 02	8	VR03061222

5/2 Pilot actuated valves

Symbol	Port size	Actuation	Operating pressure (bar)	Operating force (N)	Weight (kg)	Spares kit	Dimension	Model
							No.	
	G1/8	Air/spring	-0,9 ... 10	3 ... 10	0,30	VR03 8447 02	4	VRX3044102
	1/8 PTF	Air/spring	-0,9 ... 10	3 ... 10	0,30	VR03 8447 02	4	VRX3044122
	G1/4	Air/spring	-0,9 ... 10	3 ... 10	0,50	VR03 8612 02	9	VRX3064102
	1/4 PTF	Air/spring	-0,9 ... 10	3 ... 10	0,50	VR03 8612 02	9	VRX3064122
	G1/8	Air/air	-0,9 ... 10	3 ... 10	0,35	VR03 8447 02	5	VRX3044702
	1/8 PTF	Air/air	-0,9 ... 10	3 ... 10	0,35	VR03 8447 02	5	VRX3044722
	G1/4	Air/air	-0,9 ... 10	3 ... 10	0,57	VR03 8612 02	10	VRX3064702
	1/4 PTF	Air/air	-0,9 ... 10	3 ... 10	0,57	VR03 8612 02	10	VRX3064722
	G1/8	Air priority/air	-0,9 ... 10	3 ... 10	0,33	VR03 8447 02	6	VRX3045202
	1/8 PTF	Air priority/air	-0,9 ... 10	3 ... 10	0,33	VR03 8447 02	6	VRX3045222
	G1/4	Air priority/air	-0,9 ... 10	3 ... 10	0,57	VR03 8612 02	10	VRX3065202
	1/4 PTF	Air priority/air	-0,9 ... 10	3 ... 10	0,57	VR03 8612 02	10	VRX3065222

Option selector

VR★30★☆☆★2

Function	Substitute
3/2	0
5/2	X
Air port	Substitute
1/8"	4
1/4"	6
3/2 Pilot actuated valves	Substitute
Air/spring (1/4")	01
Air/air (1/8")	07
Air/air (1/4")	12
Air priority/air (1/8")	12
Air/spring (1/8")	13
Air priority/air (1/4")	60

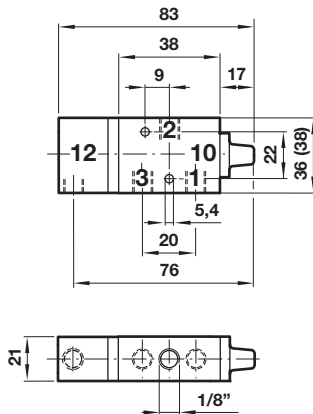
Thread	Substitute
ISO G	0
PTF-SAE SHORT	2
5/2 Pilot actuated valves	Substitute
Air/spring	41
Air/air	47
Air priority/air	52

Dimensions

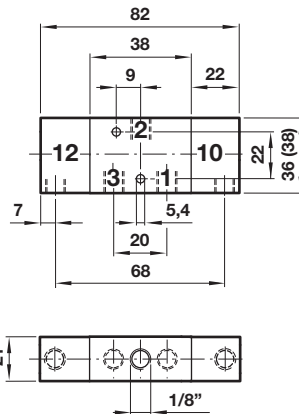
Dimensions in mm
Projection/First angle



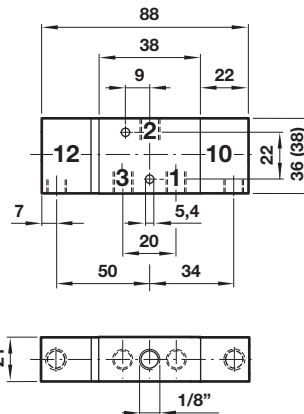
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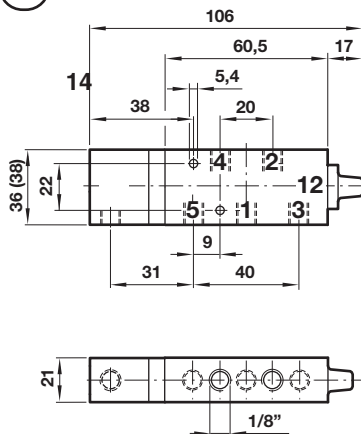
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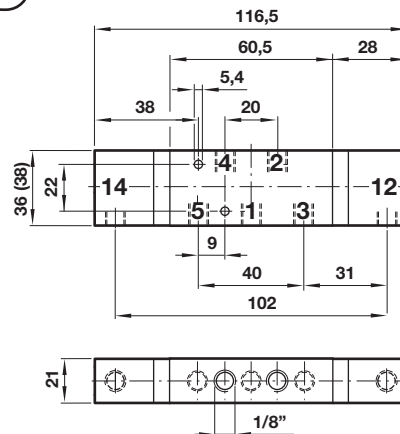
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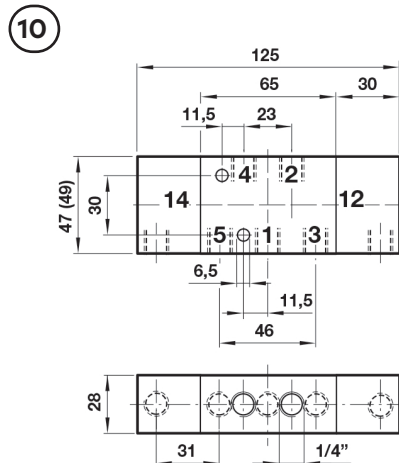
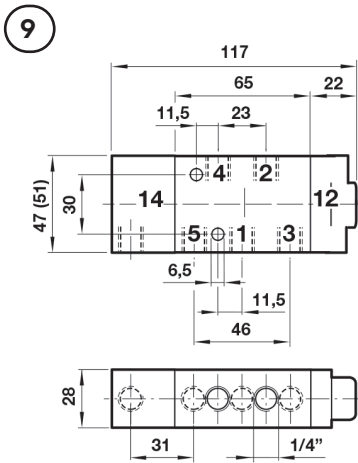
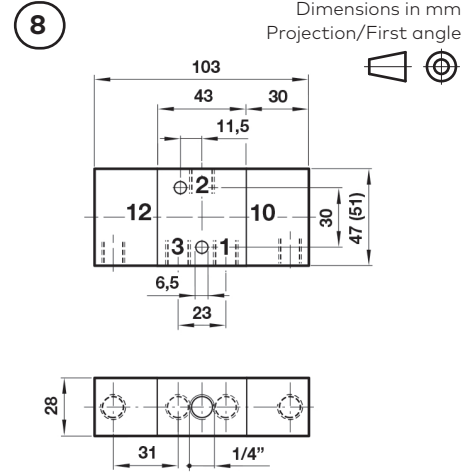
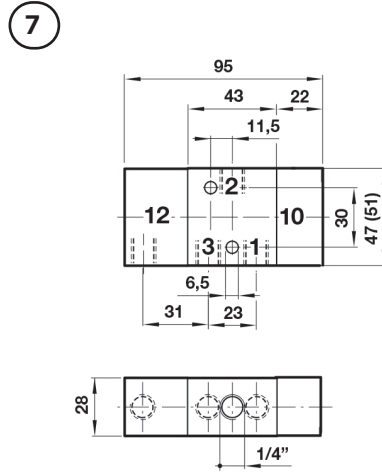
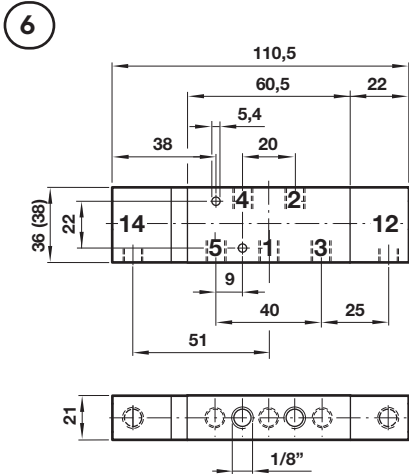
4



5



() Values for inch port size



() Values for inch port size

Warning

These products are intended for use in industrial compressed air and rail transport 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 Norgren Inc.

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.