- **Port size: 1/2” ... 1” (BSPP/PTF)**
- **Exceptionally high flow**
- **High reliability**
- **Durable, robust construction**
- **Built in Repair Kit with reversible seals**
- **Solenoid options available on request**
- **Wide temperature range**
- **Shock vibration tested to EN 61373, Category 1, class A and B**

EN 61373

+79°C (+174°F)

-40°C (-40°F)

Technical features

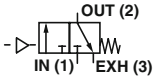
Medium:
Filtered and lubricated or non-lubricated compressed air
Mounting:
Through-holes in valve body

Operating pressure:
0 ... 20 bar (0 ... 290 psi)
Pilot pressure:
2.8 bar (40 psi) minimum, or equal to or greater than supply pressure

Ambient temperature:
-40 ... +79°C (-40 ... +174°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body, piston, poppets and sub-base: aluminium alloy
Operators: zinc or aluminium
Elastomers: NBR

Technical data

Symbol	Port size	Pilot port size	Valve size (inch)	Flow (l/min)	Weight (kg)	Model
	1/2 BSPP	1/4 BSPP	1/2	5,717	0,96	VRDA024H-RAJ
	1/2 PTF	1/4 PTF	1/2	5,717	0,96	VRD1024H-RA9
	3/4 BSPP	1/4 BSPP	1/2	6,111	0,96	VRDA025H-RAJ
	3/4 PTF	1/4 PTF	1/2	6,111	0,96	VRD1025H-RA9
	1 BSPP	1/4 BSPP	1	14,391	1,86	VRDA036H-RAA
	1 PTF	1/4 PTF	1	14,391	1,86	VRD1036H-RA1

Option selector

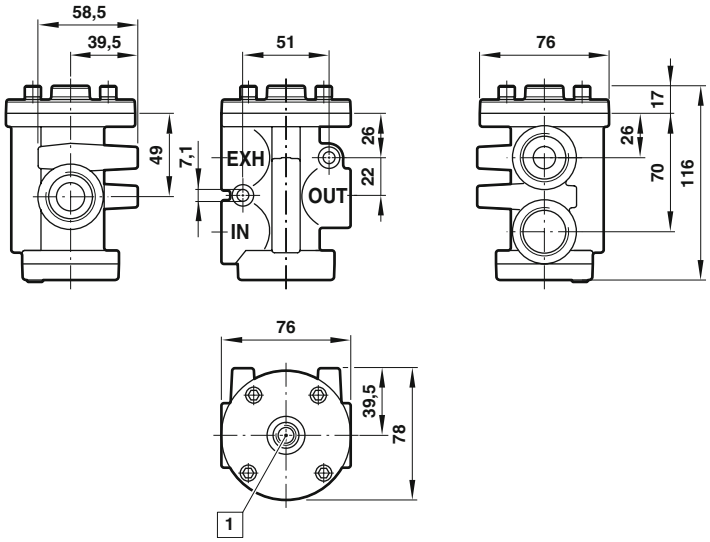
VRD★0★★H-RA★

Thread form	Substitute
BSPP	A
PTF	1

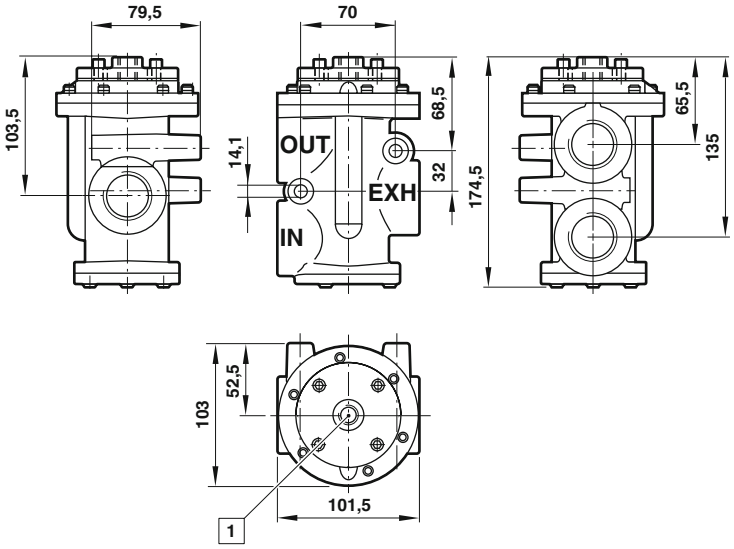
Thread	Substitute
1/2 BSPP & 3/4 BSPP	J
1/2 PTF & 3/4 PTF	9
1 BSPP	A
1 PTF	1
Body size/port size	**Substitute**
1/2” body/ 1/2” ports	24
1/2” body/ 3/4” ports	25
1” body/ 1” ports	36

Basic dimensions
1/2” valve size, pilot valve
Port size: 1/2 or 3/4”

Dimensions in mm
Projection/First angle



1” valve size, pilot valve
Port size: 1”



1 Pilot port 1/4 BSPP or 1/4 PTF

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
IMI Precision Engineering, 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.