Option selector

V64H – ★★★ – N★★

Port
2 1/4"
3 3/8"
4 1/2"
6 3/4

Thread
A PTF (1/8 PTF gauge ports)
B ISO Rc taper (1/8 ISO Rc gauge ports)
G ISO G parallel (1/8 ISO Rc gauge ports)

Adjustment
D Slotted screw

Spring (Outlet pressure range) *
F 0,3 ... 4 bar (3 ... 60 psig)
M 0,3 ... 10 bar (3 ... 150 psig)
S 0,7 ... 17 bar (10 ... 250 psig)

Element
1 5 µm
2 25 µm
3 40 µm

* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Technical features

Fluid: Compressed air
Maximum pressure: 20 bar (300 psig)
Operating temperature*:
–20° ... +80°C (0° ... +175°F)
* Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).
Gauge ports:
1/4 PTF with PTF main ports
Rc1/4 with ISO Rc main ports
Rc1/8 with ISO G main ports
Materials:
Body: Zinc
Bonnet: Zinc
Valve: Aluminium and NBR
Elastomers: NBR
Bottom plug: Aluminiuml

Replacement Items
Service kit V64-KIT

Panel Mounting Dimensions
Panel mounting hole diameter: 52 mm (2.06")
Panel thickness: 6 mm (0.25") max.

Installation
1. Shut off air pressure.
Install relief valve in air line -
- ensure that sufficient clearance is left below pipe centre line to permit unit to be installed and removed easily.
- AIR FLOW THROUGH RELIEF VALVE CAN BE IN EITHER DIRECTION i.e. LEFT TO RIGHT OR RIGHT TO LEFT.
- as close as possible to the device being serviced,
- at any angle.
- The unit can be installed conventionally 'in line' or indirectly mounted on a Tee piece.
If mounted on a Tee it is necessary to fit a blanking plug into the outlet port.
The threaded relief port (G1/2) at the base of the relief valve can be fitted with a silencer or with exhaust piping.

Warning
Protect personnel from exhaust flow if silencer or piping is not fitted.
Do not cap or in any way restrict the outlet port of the relief valve. Relief port must be open to atmosphere.
2. Before assembling the basic unit into the yoke the port seal o-rings should be lightly smeared with o-ring grease.
3. Locate clamp ring under lugs on top of yoke, offer basic unit into yoke with directional arrows cor rectly aligned (an interference fit prevents assembly if misaligned) before engaging and fully tightening the clamp ring.
4. Install a pressure gauge or plug the gauge ports.

Adjustment
1. Turn relief valve adjustment clockwise to increase pressure setting. Turn adjustment counterclockwise to decrease pressure setting.
2. Always approach the desired pressure from a lower pressure. When reducing from a higher to a lower setting, first reduce to some pressure less than that desired, then bring up to the desired pressure.

Disassembly
1. Shut off inlet pressure. Reduce pressure in inlet and outlet lines to zero. Turn adjustment (1) fully counterclockwise.
2. For ease of maintenance the unit can be removed from the yoke by unscrewing the clamp ring, which will jack the unit out downwards.
3. Disassemble in general accordance with the item numbers on exploded view.

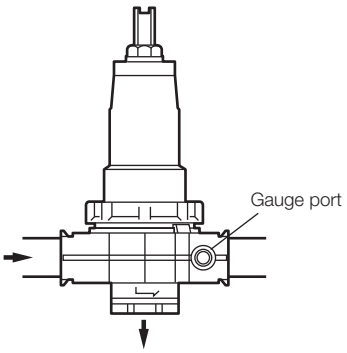
Cleaning
1. Clean parts with warm water and soap.
2. Rinse and dry parts. Blow out internal passages in body with clean, dry compressed air.
3. Inspect parts. Replace those found to be damaged.

Assembly
1. Lubricate o-rings with o-ring grease.
2. Assemble the unit as shown on the exploded view.
3. Torque Table

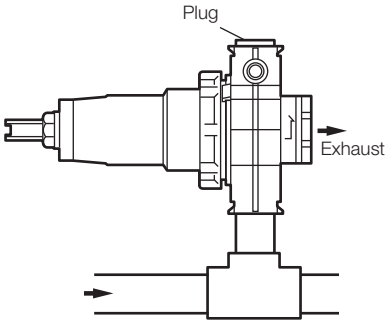
Item	Torque in N-m	(Inch-Pounds)
3, 8 (Bonnet)	61 ... 68	(555 ... 618)

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 Data. To provide overpressure protection for pneumatic equipment, the flow capacity of the relief valve selected for a specific application must be greater than the maximum possible flow rate of the system connected to the inlet of the valve. The accuracy of the indication of pressure gauges can change, both during shipment (despite care in packaging) and during the service life. If a pressure gauge is to be used with these products and if inaccurate indications may be hazardous to personnel or property, the gauge should be calibrated before initial installation and at regular intervals during use.
Before using these products with fluids other than air, for non industrial applications, or for life-support systems consult Norgren.

A. CONVENTIONAL 'IN-LINE' APPLICATION

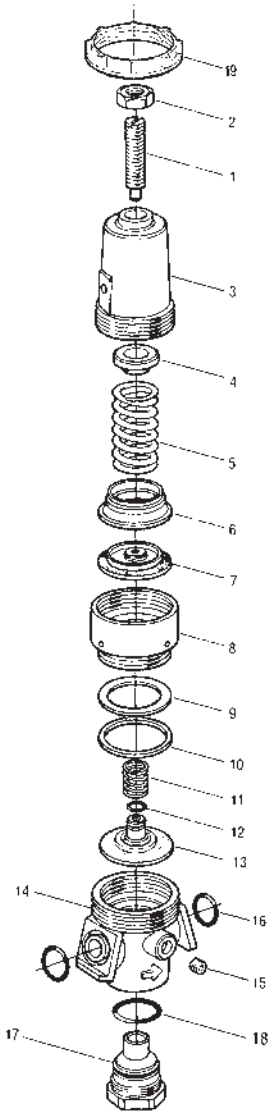


B. INDIRECTLY MOUNTED APPLICATION



Use in potentially explosive atmospheres
Code of device according EC directive 94/9/EC ExII 2 GD c TX
- Only non-flammable gasese to be used as a medium.
- Surface temperature dependant on process fluid temperature and ambient temperature - must be below the ignition temperature of the flammable gas or dust.
- Earth unit and/or pipework to avoid electrostatic discharge.
- Precautions should be taken to prevent hazard from adiabatic compression.
- Use wet cloth for cleaning.
- Protect the unit from object falling onto it.
- Avoid contact with corrosive environment.
- For servicing the unit it is recommended to carry out this work outside of the danger zone.
- For details of ignition hazard assessment contact Norgren.

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (1999 - I&M8081d) © 2015 IMI International s.r.o.



Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (1999 - I&M8081d) © 2015 IMI International s.r.o.