GI-2
GI-1
GENERAL INSTALLATION

1. These products are intended for use in industrial compressed air systems only. Do not use these products electricxal devices also electrical technology.

Installation, commissioning, disassembling as well as repair and maintenance must only be carried out by qualified specialist personnel with experience on pneumatics technology and in case of electronic devices also electrical technology.

WARNINGS

1. These products are intended for use in industrial compressed air systems only. Do not use these products in medical or life-support applications.

2. Polyolester plastic bowls can be damaged and possibly burn exposed to substances such as certain strong acids, strong alkalis, compressor oils containing ester-based additives or synthetic oils. For use of these substances in contact with the polyolester bowl, externally or internally, can result in damage. Use a metal bowl application where a plastic bowl might be exposed to substances that are not compatible with the material used.

3. Use metal bowl in applications where a plastic bowl might be exposed to substances that are not compatible with the polycarbonate bowl, externally or internally, can result in damage.

4. Solvents, strong alkalis, compressor oils containing ester-based additives or synthetic oils. Fumes of these substances in contact with the polycarbonate bowl, externally or internally, can result in damage. Use a metal bowl application where a plastic bowl might be exposed to substances that are not compatible with the material used.

5. The accuracy of the indication of pressure gauges can change both during shipment (despite care in packaging), and during the service life. Ensure the gauge readings are accurate if a pressure gauge is to be used with these products. Inaccurate indication may be dangerous to personnel or property.

6. The accuracy of the indication of pressure gauges can change both during shipment (despite care in packaging), and during the service life. Ensure the gauge readings are accurate if a pressure gauge is to be used with these products. Inaccurate indication may be dangerous to personnel or property.

7. See separate product specific manual for Integrated Electronic Pressure Switch installation, operation and replacement.

8. Before using these products with fluids other than air, non-industrial applications or for life-support applications, consult Norgren.

GENERAL INSTALLATION

GI 1 Always turn off and exhaust air pressure prior to installing and servicing units. Ensure that the air is completely exhausted prior to flushing any accessories.

GI 2 Connect piping to ports using pipe thread sealant on main threads. Do not allow sealant to enter the interior of the unit. Units should be installed with air flow in the direction of the arrow on the body and as close as possible to the device being serviced.

GI 3 Install filters:

GI 3.1 Upstream of regulators, lubricators, and cycling valves and oriented vertically.

GI 3.2 Install regulator:

GI 3.1 Upstream of regulators, lubricators, and cycling valves and oriented vertically.

GI 4 Install lubricator:

GI 4.1 Upstream of lubrication and downstream of filters.

GI 4.2 Install lubrication:

GI 5 Install regulators:

GI 5.1 Upstream of lubrication and cycling valves, and downstream of filters.

GI 5.2 Install regulator:

GI 5.1 Upstream of lubrication and cycling valves, and downstream of filters.

GI 6 Install upstream of the automatic drain before the downstream pressure, rotate the drain to the open or the closed position.

GI 7 To lock the valve in the closed position, pull the drill down and apply a light or both.

GI 8 -3 reduce noise and keep contamination out of the unit, install an exhaust muffer into the bottom plug.

Filter & Filter/Regulator

Filter:

Uptream of regulators, lubricators, and cycling valves and oriented vertically

SERVICING

Service kits for each series are listed in table below. See illustration for each series. Replacement kits should be used. See Norgren website for recommended lubricants. Use QR code or web link.

Serving/filter replacement

GI 1.14 O-ring grease.

GI 1.15 Lubricating valve sear, valve body o-ring, bottom plug o-ring, and valve stem o-ring.

GI 1.16 Valve body is separated from valve stem by pushing the valve stem up and turn the adjusting nut on the top valve into the bottom plug.

GI 1.17 Close the adjusting nut on the top plug into the bottom plug.

GI 1.18 Use a light coat of good quality lubricant, non-oxidising, non-flammable, non-corrosive type.

GI 1.19 Regenerate the unit.

GI 1.20 Replace all damaged seal components with the corresponding component from the seal kit.

GI 1.21 If replacing valve body, replace the is to the top valve.

GI 1.22 Non-Relieving: -40°C to +80°C ** H-FRLB84NR-KIT

GI 1.23 Relief: Preceded by 'H'(Extreme Temp.) Non-Relieving: -40°C to +80°C

GI 1.24 Relief: Preceded by 'L' (Rail approved) -40°C to +80°C

GI 1.25 Regenerate the unit.

GI 1.26 Replace all damaged seal components with the corresponding component from the seal kit.

GI 1.27 Replace all damaged seal components with the corresponding component from the seal kit.

GI 1.28 Valve body is separated from valve stem by pushing the valve body and against a hard surface to the top valve and then pull the stem out of body. Push the stem into new valve body until it stops in place.

GI 1.29 Non-Relieving: -40°C to +80°C ** H-FRLB84NR-KIT

GI 1.30 Relief: Preceded by 'H'(Extreme Temp.) Non-Relieving: -40°C to +80°C

GI 1.31 Relief: Preceded by 'L' (Rail approved) -40°C to +80°C

GI 1.32 Regenerate the unit.

GI 1.33 Replace all damaged seal components with the corresponding component from the seal kit.

SERVICING

GI 1.35 Service kits for each series. Use QR code or web link.

GI 1.36 Non-Relieving: -40°C to +80°C ** H-FRLB84NR-KIT

GI 1.37 Relief: Preceded by 'H'(Extreme Temp.) Non-Relieving: -40°C to +80°C

GI 1.38 Relief: Preceded by 'L' (Rail approved) -40°C to +80°C

GI 1.39 Regenerate the unit.

GI 1.40 Replace all damaged seal components with the corresponding component from the seal kit.

GI 1.41 Valve body is separated from valve stem by pushing the valve body and against a hard surface to the top valve and then pull the stem out of body. Push the stem into new valve body until it stops in place.

GI 1.42 Non-Relieving: -40°C to +80°C ** H-FRLB84NR-KIT

GI 1.43 Relief: Preceded by 'H'(Extreme Temp.) Non-Relieving: -40°C to +80°C

GI 1.44 Relief: Preceded by 'L' (Rail approved) -40°C to +80°C

GI 1.45 Regenerate the unit.

GI 1.46 Replace all damaged seal components with the corresponding component from the seal kit.

GI 1.47 Valve body is separated from valve stem by pushing the valve body and against a hard surface to the top valve and then pull the stem out of body. Push the stem into new valve body until it stops in place.

GI 1.48 Non-Relieving: -40°C to +80°C ** H-FRLB84NR-KIT

GI 1.49 Relief: Preceded by 'H'(Extreme Temp.) Non-Relieving: -40°C to +80°C

GI 1.50 Relief: Preceded by 'L' (Rail approved) -40°C to +80°C

GI 1.51 Regenerate the unit.

GI 1.52 Replace all damaged seal components with the corresponding component from the seal kit.

GI 1.53 Valve body is separated from valve stem by pushing the valve body and against a hard surface to the top valve and then pull the stem out of body. Push the stem into new valve body until it stops in place.

GI 1.54 Non-Relieving: -40°C to +80°C ** H-FRLB84NR-KIT

GI 1.55 Relief: Preceded by 'H'(Extreme Temp.) Non-Relieving: -40°C to +80°C

GI 1.56 Relief: Preceded by 'L' (Rail approved) -40°C to +80°C

GI 1.57 Regenerate the unit.
Changing Diaphragm—Filter/regulator and Regulator

R-7.1 Pull off the knob.
R-7.2 Use the spanner from the FRLB kit to remove the bonnet.
R-7.3 Remove the diaphragm, adjusting screw, and spring.

Changing Gauge—Filter/regulator and Regulator

Moving Gauge Right to Left Flow—Filter/regulator and Regulator

R-9.1 Use a flat-blade screwdriver to push out the plug.
R-9.3 Remove the gauge screws and gauge.
R-9.7 Install the corresponding replacement gauge.

Recommended Quickclamp Locations

Quickclamp

Recommended Panel Hole Size: 3.10 (min) to 2.94 (max) (8 to 7.5 mm)

Recommended Panel Hole Size: 2.81 (min) to 2.65 (max) (7 to 6 mm)

Part No. Description
820068-51KIT Neck mount bracket and panel nut
840068-51KIT (3) Panel nut
840025-52KIT (3) Guarded bowl with drain plug (closed bottom)
840055-50KIT (3) Metal bowl and sight glass with drain plug (closed bottom)

Accessories—82 Series

Accessories—84 Series

Part No. Description
820024-50KIT Guarded bowl with drain plug (closed bottom)
840025-52KIT Metal bowl and sight glass with drain plug (closed bottom)
840025-52KIT (3) Guarded bowl with drain plug (closed bottom)
840003-52KIT (3) Neck mount bracket and panel nut

Spares—82 Series

Spares—84 Series

Part No. Description
820014-52KIT Connecting clamp c/w
840014-51KIT Connecting clamp
840014-51KIT (3) Connecting clamp and bracket
840014-51KIT (3) H Version

Technical Director
James Robinson
2020

Attention: Using Integrated gauge in connecting with air heating, the temperature warning of the units change to -20°C to +65°C.

Lubricator

Lubricator—Oil level

Servicing/Replacement

L-1 Remove and install bowl as per GR-7.3.

Servicing-Lubricator Sight Dome Replacement

L-2 Install the sight dome and sight dome seal.
L-2.1 If the sight dome is installed with a sight dome seal, remove it.
L-2.2 Lubricate the new sight dome seal with a light coat of good quality ring grease.
L-2.3 Install the sight dome and sight dome seal in 2.0-3.0 IN-LB (2.0-3.2 Nm) with a "O" ring.

Recommended Quickclamp Locations

Lubricator Quickclamp

Recommended Quickclamp Part No. Description
930050-01KIT 84 Series
930050-01KIT (3) 84 Series
930050-01KIT (3) H Version
930050-01KIT (3) 84 Series
930050-01KIT (3) H Version

Part 37: Non-electrical equipment for explosive atmospheres – Non-electrical type of protection

June 2019
J. Robinson
Technical Director:

EXCLUDED FROM THE ATEX STATEMENT BELOW ARE ALL PROPSA WARRANTS. ADDITIONALLY ALL 84 SERIES PRODUCTS ENDING WITH "E" ALONG WITH THE 24A *** AS THESE PRODUCTS ARE FITTED WITH THE INTEGRATED ELECTRONIC PRESSURE SENSORS.

ATEX Declaration of conformity

EU Declaration of conformity (DC) 2014/35/EU

Product Description: 84 Series of: F84, T84, R84, B84, T82, F82, R82, L84, L82, H84, H82, L84H, H84H, H84H, H84H, H84H, H84H, H84H, H84H, H84H, H84H

Manufacturers:

- Norgren Manufacturing de Mexico S.A de CV Av de la Montaña 503 Parque Industrial Querétaro, No. 14402, 56206, Mexico

- Norgren Ltd, Westleigh Way, Uxbridge, Middlesex, UB8 2PD

We declare that the designation of conformity is issued under the sole responsibility of the above manufacturer.

2014/35/EU: Equipment and protective systems intended for use in potentially explosive atmosphere. The following harmonised standards and technical specifications have been applied:


Technical Director:
James Robinson
2020
Norgren Ltd, Blenheim Way, Fradley Park, Lichfield, Staffordshire, WS13 8SY

AS 91002  Qro, MX

2014/34/EU and as such contain no potential ignition hazard for explosive environments.

2014/34/EU and as such contain no potential ignition hazard for explosive environments.