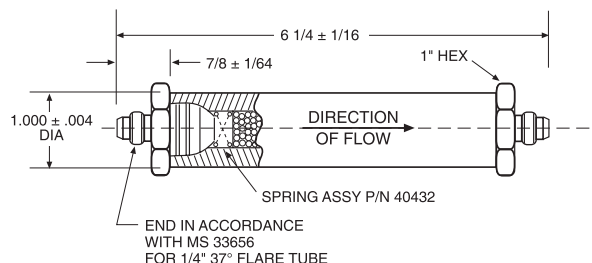


J50309-10



J5684

1. Tubing connection: Use 1/4" OD x .083" ID 304 stainless steel tubing only. Thread collar onto tubing (left hand thread). Slide gland over collar and tighten firmly in fitting (10-15 ft-lbs).

2. Tubing and similar tube fittings may be purchased from High Pressure Equipment Co., Erie, PA 16505.

3. Filter should be regenerated or recharged after drying 2,000 cu. ft. of gas or upon evidence of insufficient gas dryness.

4. Regenerating Procedure:

A. Connect inlet line and place in oven with at least one foot of line in oven to warm the gas. Purge filter at atmospheric pressure with 2 to 3 liters/minute of -40°C or dryer gas (commercial dry nitrogen is acceptable). Raise oven temperature to 190/200°C and hold at temperature for 2 to 3 hours. Turn off the purge gas and cap the filter while cooling to prevent water absorption.

or

B. Place filter in vacuum oven, heat to 190/200°C at 10-1 torr or better and hold for 2 to 3 hours. Valve off vacuum pump to prevent oil backstreaming and cool in oven under remaining vacuum.

5. Recharging Procedure:

A. Remove end fitting and spring assembly and discharge molecular sieves.

B. If oil contamination is suspected, wash only the metal parts in trichlorethylene, heat to 200°C, cool to room temperature and reinstall the o-ring and backup ring.

C. Fill cavity with Linde molecular sieve 8 x 12 beads #4A so that spring assembly when installed is compressed to 0.2" length. Teledyne Judson J8890 molecular sieve refill is recommended to assure clean dry sieve material.

D. Insert spring assembly as shown, replace fitting and tighten to 15 to 20 ft-lbs torque.

6. Cap ends when filter is not in system.

7. Working pressure: 50309-6 6,000 psi max.
 50309-10 10,000 psi max.

1. Filter should be regenerated or recharged after two months of daily operation (approximately 2,000 cu. ft. of gas).

2. Regenerating Procedure:

A. Connect inlet line and place in oven with at least one foot of line in oven to warm the gas. Purge filter at atmospheric pressure with 2 to 3 liters/minute of -40°C or dryer gas (commercial dry nitrogen is acceptable). Raise oven temperature to 190/200°C and hold at temperature for 2 to 3 hours. Turn off the purge gas and cap the filter while cooling to prevent water absorption.

or

B. Place filter in vacuum oven, heat to 190/200°C at 10-1 torr or better and hold for 2 to 3 hours. Valve off vacuum pump to prevent oil backstreaming and cool in oven under remaining vacuum.

3. Recharging Procedure:

A. Remove end fitting(s) and spring assembly and discharge molecular sieves.

B. If oil contamination is suspected, wash only the metal parts in trichlorethylene, heat to 200°C, cool to room temperature and replace the o-rings.

C. Replace downstream fitting, if removed, and fill tube with 11.5 ± 0.5 grams of Line molecular sieve 8 x 12 beads #4A. Teledyne Judson J8890 molecular sieve refill is recommended to provide exact quantity and assure clean, dry sieve material.

D. Insert spring assembly P/N 40432 with the screen against the molecular sieves.

E. Replace inlet fitting and tighten both ends to 15 to 20 ft-lbs torque.

4. Replace plastic shipping caps when filter is not in system.

5. O-rings may be purchased from Porter Seal Co., Glendale, CA as P/N 3-8 Silicon Compound S613-60.

6. Working pressure: 3,000 psi max.

Information in this document is believed to be reliable. However, no responsibility is assumed for possible inaccuracies or omission. Specifications are subject to change without notice.