

Technical Information

Instructions for Installing O-Rings on Balston® Filter Housings

- 1 To ensure proper sealing and prevent damage to the o-ring, all surfaces that the o-ring will contact in operation should be smooth and free from sharp edges, burrs, and tool marks.
- 2 Coat the o-ring and mating surfaces with a clean lubricant which is compatible with the fluid being filtered.
- 3 If it is difficult to install the o-ring over a shaft, it may be "hot stretched" by immersion in boiling water (or placement in an oven at 180°F-200°F/82°C-92°C) for a few minutes. This softens and expands the ring. If necessary, the o-ring can be re-heated with a hot air gun, so it will shrink back to a tight fit when cooled.
- 4 To install in internal grooves, some heating may also be desirable. Do not bend a PTFE o-ring too sharply because the PTFE could kink or buckle under the strain. If it does become kinked, smooth it out as much as possible. This will not affect operation and sealing in most applications. Tighten bowl with 2 ft/lbs of torque.

For Model 37/12 and 37/25 only:

Model 37/12 and Model 37/25 Filter Housings with 3000 psig (207 barg) Pressure Rating	Material	Seal Set Part No.
Approximate Date of Manufacture: 1979-1982	Viton	22133
	Silicone	22134
	PTFE	22138 (see Note 1)

Model 37/12 and Model 37/25 Filter Housings with 4000 psig (276 barg) Pressure Rating	Material	Seal Set Part No.
Approximate Date of Manufacture: 1982-1987	Viton	22130
	Silicone	22131
	PTFE	22132 (see Note 2)

Model 37/12 and Model 37/25 Filter Housings with 4000 psig (276 barg) Pressure Rating and o-ring groove on underside of filter head	Material	Seal Set Part No.
Approximate Date of Manufacture: 1987-Present	Viton	22130
	Silicone	22131
	PTFE	22132 (see Note 2)

Model AKC-0280 Filter Housings with ____ psig (____ barg) Pressure Rating	Housing Serial No.	o-ring Size
Approximate Date of Manufacture: _____	05162-001 or later	-258 (6"ID x 6-1/4"OD)
	prior to 05162-001 (see Note 2)	-359 (5-3/4" x 6-1/8")

Model AKN-0280 Filter Housings with ____ psig (____ barg) Pressure Rating	Housing Serial No.	o-ring Size
Approximate Date of Manufacture: _____	05224-001 or later	-366 (7-1/4" x 7-5/8")
	prior to 05224-001 (see Note 2)	-443 (7-1/2" x 8")

Notes

1 PTFE Encapsulated Viton is supplied on some o-rings in these seal sets, for ease of installation and improved sealing.

2 There are two large PTFE o-rings in this set. If there is no o-ring groove on the underside of the filter head do not use the solid white PTFE o-ring.

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