



BY JOHNSON CONTROLS

# Service Information

File In/With:	N/A	SI0016	
	Supersedes: SI0016 (605)		410
Equipment Affected:	YK Chiller Compressors		
Shaft Seal Application			

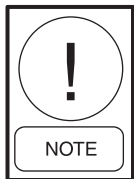
## General

This letter identifies the latest version shaft seals for the YK family of compressors. The table on page 2 shows a breakdown of current bellows style shaft seals. All HA, HB, HC and HG compressors can be modified to accept this bellows seal.

The table lists conversion kit part numbers to change from the original dynamic “O”-ring pusher style seal to the current bellows seal along with the seal part numbers. The conversion kit contains the correct seal along with other items needed to convert to the bellows seal (an approximately 3 feet long piece of 3/8” O.D. X .049” wall steel tubing must be field supplied). HD, HE and HF compressors have been using this bellows seal from first production.

The table lists part numbers for the cover plate “O”-ring along with the part numbers for the Teflon c-ring that can be replaced on HA, HB, HC and HG seals. When ordering a new seal it will include a new c-ring. The c-ring is available separately in case it is damaged during service of the seal. On the HD style seal this c-ring is internal to the seal and can also be replaced if needed. The HF seal does not use this c-ring.

The latest seal utilizes a supply fitting with straight threads requiring the use of an “O”-ring.



***HE, HF and HD compressors utilize the straight thread on supply connection.***

## YK Shaft Seals

Compressor Engineering Designation	Cover Plate O-ring	Shaft Seal Part Number	Conversion Kit TO John Crane	C- / O - Ring Replacement Part Number	Shaft Seal Part Number <sup>1</sup>	Conversion Kit for Straight Thread Oil Supply Port <sup>2</sup>	Maintenance Kit for Straight Thread Oil Supply Port <sup>3</sup>	Spare Fittings for Straight Thread Connection
HF 39	028-13111-000	029-22938-000	n/a	028-08681-000	029-22938-000	n/a	n/a	n/a
HF 40	028-13111-000	029-22938-000	n/a	028-08681-000	029-22938-000	n/a	n/a	n/a
HF 42	028-13111-000	029-22938-000	n/a	028-08681-000	029-22938-000	n/a	n/a	n/a
HF 44	028-13111-000	029-22938-000	n/a	028-08681-000	029-22938-000	n/a	n/a	n/a
HA / HC 41	028-12258-000	029-22428-000	364-48968-000	028-14492-000	029-22428-001	364-48968-001	364-51539-000	EII 3/8 023-18920-000 Sleeve flare 3/8 023-10001-000 Nut, flare 3/8 023-09673-000 and O ring 028-12961-003
HA / HC 46	028-12258-000	029-22428-000	364-48968-000	028-14492-000	029-22428-001	364-48968-001	364-51539-000	
HA / HC 50	028-12258-000	029-22428-000	364-48968-000	028-14492-000	029-22428-001	364-48968-001	364-51539-000	
HB / HC 57	028-12258-000	029-22428-000	364-48968-000	028-14492-000	029-22428-001	364-48968-001	364-51539-000	
HB / HC 61	028-12258-000	029-22428-000	364-48968-000	028-14492-000	029-22428-001	364-48968-001	364-51539-000	
HD / HE 46	028-12258-000	029-22454-000	n/a	028-14492-000	029-22454-000	n/a	n/a	n/a
HD / HE 50	028-12258-000	029-22454-000	n/a	028-14492-000	029-22454-000	n/a	n/a	n/a
HD / HE 57	028-12258-000	029-22454-000	n/a	028-14492-000	029-22454-000	n/a	n/a	n/a
HD / HE 59	028-12258-000	029-22454-000	n/a	028-14492-000	029-22454-000	n/a	n/a	n/a
HD / HE 61	028-12258-000	029-22454-000	n/a	028-14492-000	029-22454-000	n/a	n/a	n/a
HE 58	028-12258-000	029-22454-000	n/a	028-14492-000	029-22454-000	n/a	n/a	n/a
HE 62	028-12258-000	029-22454-000	n/a	028-14492-000	029-22454-000	n/a	n/a	n/a
HE 70	—	—	—	028-14492-000	029-22454-000	—	—	—
HG 65	028-12258-000	029-22428-000	364-48968-000	028-14492-000	029-22428-001	364-48968-001	364-51539-000	EII 3/8 023-18920-000 Sleeve flare 3/8 023-10001-000 Nut, flare 3/8 023-09673-000 and O ring 028-12961-003  <i>Revised Numbers</i>
HG 73	028-12258-000	029-22428-000	364-48968-000	028-14492-000	029-22428-001	364-48968-001	364-51539-000	
HA 65	028-12224-000	029-22429-000	364-48969-000	028-14493-000	029-22429-001	364-48969-001	364-51540-000	
HA 73	028-12224-000	029-22429-000	364-48969-000	028-14493-000	029-22429-001	364-48969-001	364-51540-000	
HA 81	028-12224-000	029-22429-000	364-48969-000	028-14493-000	029-22429-001	364-48969-001	364-51540-000	
HA 90	028-12224-000	029-22429-000	364-48969-000	028-14493-000	029-22429-001	364-48969-001	364-51540-000	
HA 104	028-12224-000	029-22429-000	364-48969-000	028-14493-000	029-22429-001	364-48969-001	364-51540-000	

<sup>1</sup> The 001 suffix now utilizes the same straight thread oil supply connection as the 000 suffix.

<sup>2</sup> Includes the seal / cover plate O-ring / all oil supply fittings / oil supply O-ring.

<sup>3</sup> Includes the seal / cover O-ring / oil supply ftg O-ring.