


# Beau Seals

## Mechanical Seals

### Metal Bellows Type

**Metal bellows mechanical seals** feature a bellows core made of one of several types of bellows. The most common are AM350 and Hastelloy C. Usually with Stainless Steel end fittings permits these mechanical seals to be used for services beyond the range of mechanical seals with synthetic rubber sealing members.

Typical applications include: cryogenics, heat transfer fluids, severe chemicals and corrosives at temperatures from  $-40^{\circ}\text{C}$  to  $+380^{\circ}\text{C}$  with standard seal construction. (For higher temperatures please contact us)

<b>Type: IIT-M01 (Replace John Crane Type 680)</b> 			<b>Type: IIT-M02 (Replace John Crane Type 609)</b> 		
Mediums	Oil, light hydrocarbon, aromatic hydrocarbon, Organic solvents, weak acids,alkali,Ammonia,etc.		Mediums	Oil,light hydrocarbon,aromatic hydrocarbon, Organic solvents,weak acids,alkali,Ammonia,etc.	
<b>Working Conditions</b>	<b>Materials</b>		<b>Working Conditions</b>	<b>Materials</b>	
Pressure	Stationary Ring	SiC/TC	Pressure	Stationary Ring	SiC/TC
Temp.	Rotary Ring	Carbon/SiC/TC	Temp.	Rotary Ring	Carbon/SiC/TC
Speed	Secondary Seal	NBR/EPR/Viton	Speed	Secondary Seal	NBR/EPR/Viton
D Sizes	Bellow	Hast.C Alloy/AM350/316SS	D Sizes	Bellow	Hast.C Alloy/AM350/316SS



### O - Ring Type

An o-ring is a simple and versatile ring shaped packing or sealing device. Having a circular cross section that functions as a seal, in both static and dynamic applications, by being compressed between the mating surfaces comprising the walls of the gland, in which it is installed. Although o-rings can be made from a variety of materials, they are most commonly molded in one piece from an elastomeric material.

<b>Type: IIT-U04 (Replace John Crane Type U59)</b> 			<b>Type: IIT-U06 (Replace Burgmann Type M7N)</b> 		
Medium	Petroleum, Chemical solvents, weak and medium		Mediums	Water, oil, weak acid, alkali, etc	
<b>Working Conditions</b>	<b>Materials</b>		<b>Working Conditions</b>	<b>Materials</b>	
Pressure	Stationary Ring	Ceramic/SiC/TC	Pressure	Stationary Ring	Ceramic/SiC/TC
Temp.	Rotary Ring	Carbon/SiC/TC	Temp.	Rotary Ring	Carbon/SiC/TC
Speed	Secondary Seal	NBR/EPR/Viton	Speed	Secondary Seal	EPR/Viton/Chemraz/Kalrez
D Sizes			D Sizes		

### Cartridge Type

A cartridge type mechanical seal is a pre-assembled package of seal components making installation much easier with fewer points for potential installation errors to occur. The assembly is "pre-set" so that no installed length calculations must be performed for determining where to set the seal. This pre-set is achieved by the use of "set tabs" that are removed once the seal is installed and the pump assembled.

<b>Single seal without flushing</b> <b>Type: IIT-F01 (Replace AES Type Con ii)</b> 			<b>Single seal with flushing connection</b> <b>IIT-F02 (Replace Burgmann Type Cartex-S)</b> 		
Easy to Install			Reversible Seal Head		
Short Gland			ANSI B73.1M and DIN 24960 Pump-Compliant		
Direction of rotation independent			Optimized Primary Ring Design		
Balanced			Nonclogging Wave Spring		
<b>Working Conditions</b>	<b>Materials</b>		<b>Working Conditions</b>	<b>Materials</b>	
Pressure	Metals	316SS,Hastelloy C	Pressure	Metals	316SS,Hastelloy C
Temp.	Springs	Hastelloy C	Temp.	Springs	Hastelloy C
Speed	Faces	CA, CE, SC, SSIC, TC	Speed	Faces	CA, CE, SC, SSIC, TC
D Sizes	O-Rings	Viton, EPDM, FEP, AFLAS,Kalrez,Chemraz etc.	D Sizes	O-Rings	Viton, EPDM, FEP, AFLAS,Kalrez,Chemraz etc

<b>Single seal with flushing connection</b> <b>IIT-F03 (Replace Burgmann Type Cartex-D)</b> 			<b>Double seal with back-to-back faces</b> <b>IIT-F05 (Replace DEPAC Type 365)</b> 		
Slurry Seals			Multi-springs design		
Non-Clogging			Running steady		
Direction of rotation independent			Non-clogging with flushing		
Balanced			Double Balanced		
<b>Working Conditions</b>	<b>Materials</b>		<b>Working Conditions</b>	<b>Materials</b>	
Pressure	Metals	316SS,Hastelloy C	Pressure	Metals	316SS,Hastelloy C
Temp.	Springs	Hastelloy C	Temp.	Springs	Hastelloy C
Speed	Faces	CA, CE, SC, SSIC, TC	Speed	Faces	CA, CE, SC, SSIC, TC
D Sizes	O-Rings	Viton, EPDM, FEP, AFLAS,Kalrez,Chemraz etc	D Sizes	O-Rings	Viton, EPDM, FEP, AFLAS,Kalrez,Chemraz etc

✓ **Quick Delivery**

✓ **Min Order - One Unit**

✓ **Custom Made**

..... *all about sealing solutions*