

# SERIES SM

## STANDARD FLANGED CONNECTOR



### Datasheet

Features  
Performance Curves

125 PSIG  
at 450°F

Pressure

2" to 12"

Size range

Flanged

Connections

### MECHANICAL SEAL

John Crane suitable for particular service specified. Carbon rotating face and ceramic stationary seal are suitable for temperatures up to 250°F.

### IMPELLER

One piece enclosed type, noryl, for high efficiency, precision balanced and accurately bored. The impeller is fastened to shaft the key, washer and stainless steel cap screw.

### SHAFT

Stainless steel standard with short length minimizing deflection under load conditions.

### QUICK DISCONNECT

Easy and quick removal and service of impeller and seal. Automatic Purge System: Liquid flows from the high pressure side of the impeller across the seal face to the low pressure eye of the impeller. Assures proper lubrication and venting.

### MOTOR

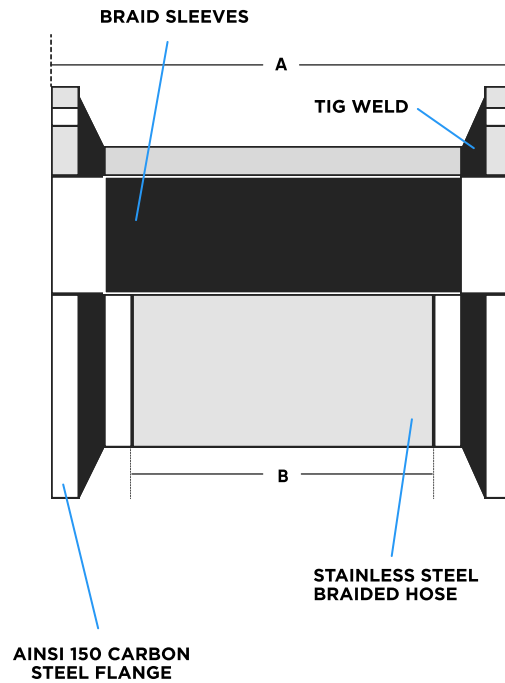
Quiet NEMA TC Drip Proof or TEFC on most models. Can be rotated at 90° intervals for convenient junction box location.

### SPEED

1150, 1750 and 3450 RPM.

### MOTOR BRACKET

Closed grained cast iron with stainless steel backplate, heavy section, machined to register for perfect alignment.



MODELS	DIMENSIONS			Pressure @ 70°F (21°C)	Weight
	Sizes	A	B		
SM0250-10	2 ½" 65 mm	10 5/16" 261.62 mm	7 ¼" 184.15 mm	375 PSI 2585 kPa	19 lbs 8.6 kg
SM0300-10	3" 80 mm	10" 254 mm			22 lbs 10 kg
SM0400-11	4" 100 mm	11 ½" 292.1 mm	8 ¾" 222.25 mm	325 PSI 2240 kPa	29 lbs 13.1 kg
SM0500-13	5" 125 mm	13" 330.2 mm	9 ½" 241.3 mm	300 PSI 2068 kPa	36 lbs 1.3 kg
SM0600-14	6" 150 mm	14 ¼" 361.95 mm	10 ½" 266.7 mm	200 PSI 1380 kPa	42 lbs 19 kg
SM0800-15	8" 200 mm	15 ½" 393.7 mm	11 ½" 292.1 mm	175 PSI 1206 kPa	74 lbs 33.5 kg
SM1000-17	10" 250 mm	17 ¾" 450.85 mm	12 ¾" 323.85 mm	150 PSI 1034 kPa	90 lbs 40.8 kg
SM1200-18	12" 300 mm	18 ¾" 467.36 mm	14" 355.6 mm	125 PSI 862 kPa	134 lbs 60.8 kg
SM1400-20	14" 350 mm	20" 508 mm	16" 406.4 mm	105 PSI 724 kPa	180 lbs 81.7 kg