



DURABLE BY DESIGN

# MAGNUM - S

CARTRIDGE BEARING SEAL

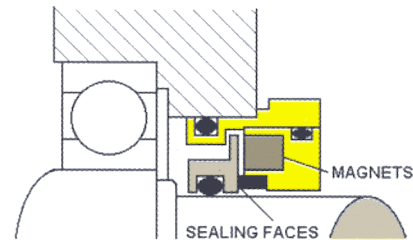


The new **ISOMAG MAGNUM-S** finally resolves the long-standing issues of leakage and installation that have plagued flooded bearing seals.

The **MAGNUM-S** cartridge seal will fit into narrow cross section and short axial length applications that previously prevented the use of precision flat face seals.

Unitized cartridge design correctly sets the seal forever. Axial rotor movement is contained within the cobalt magnetic field for the life of the seal ... Even if you move the shaft.

**MAGNUM-S** is a precision contact mechanical seal designed to completely seal your power frame, gearbox, motor, turbine, blower and more. The "S" features precision lapped faces and O.D. hydraulic loading to assure sealing in flooded applications. All these features are in a compact unitized assembly that installs as easy as a lip seal.



**MAGNUM-S**  
Patent Pending

OIL FLOODED  
OIL MIST  
OIL SPLASH  
GREASE

CUSTOM SIZES  
BUILT TO FIT

HORIZONTAL  
VERTICAL UP  
VERTICAL DOWN



ISOMAG Corp.  
11871 Dunlay Ave.  
Baton Rouge, LA 70809

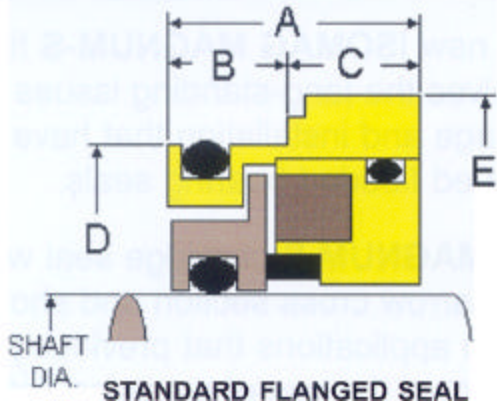
Phone: 225-752-0926  
Fax: 225-756-3141  
Website: [isomag.com](http://isomag.com)



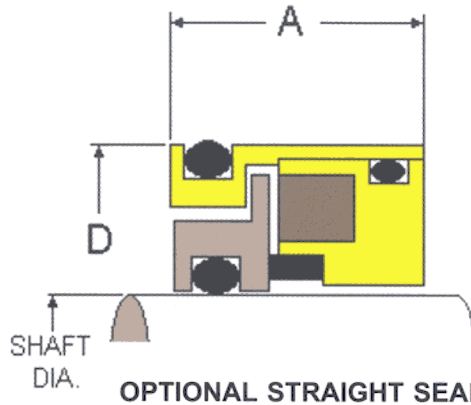
# MAGNUM - S

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CARTRIDGE BEARING SEAL



STANDARD FLANGED SEAL



OPTIONAL STRAIGHT SEAL

## INCH SIZE SEALS

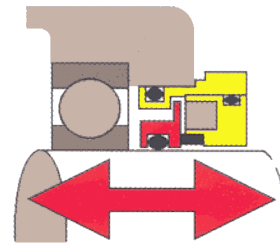
SHAFT DIA.	A	B	C	D min. bore	E
.750" to 2.000"	.685	.310	.375	SHAFT + .750	BORE + .200
2.062" to 2.500"	.740	.340	.400	SHAFT + .750	BORE + .200
2.562" to 10.000"	.900	.500	.400	SHAFT + 1.000	BORE + .200
10.062" to 13.000"	1.125	.500	.625	SHAFT + 1.500	BORE + .200

## METRIC SIZE SEALS

SHAFT DIA.	A	B	C	D min. bore	E
20 to 50 mm	17.4	7.9	9.5	SHAFT + 19.05	BORE + 5.08
51 to 63 mm	18.8	8.6	10.2	SHAFT + 19.05	BORE + 5.08
64 to 255 mm	22.9	12.8	10.2	SHAFT + 25.40	BORE + 5.08
256 to 330 mm	28.6	12.8	15.9	SHAFT + 38.10	BORE + 5.08

## SPECIFICATIONS

ROTARY FACE	: HT 17-4 PH
STATIONARY FACE	: TFE COMPOSITE
STATOR	: BRONZE std.
ADAPTER	: BRONZE std.
ELASTOMERS	: VITON std.
MAGNETS	: RARE EARTH
<i>Optional materials available</i>	
MAX OPERATING CONDITIONS	
OPERATING TEMP	: 300 F
PRESSURE	: 20 PSIG
SPEED Lubricated	: 12, 000 FPM
SPEED Dry	: 4,000 FPM



**HANDLES AXIAL  
SHAFT MOVEMENT**

**Multi - National Distribution**



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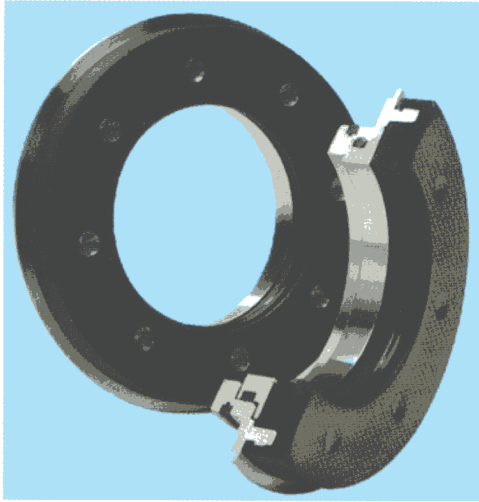
Phone: 225-752-0926  
Fax: 225-756-3141  
Website: isomag.com



# MAGNUM - C

DURABLE BY DESIGN

CARTRIDGE BEARING SEAL



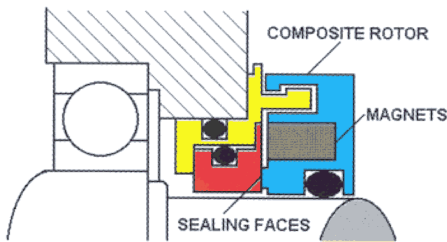
**MAGNUM-C** sets new standards for bearing protection and ease of assembly.

**MAGNUM-C** combines lapped precision sealing faces with a snap lock composite cowl to seal in lubrication and keep contaminants out.

**MAGNUM-C** is designed to protect your pump power frame, gearbox, motor, blower and more.

Snap-Lock cartridge design correctly sets the seal forever. Axial rotor movement is contained within the cobalt magnetic field for the life of the seal ... Even if you move the shaft.

The "C" is a magnetically closed bearing seal with controlled range precision sealing faces and an interlocking labyrinth. The design is optimized to keep the outside world from getting into your bearings. All these features are in a compact unitized assembly that installs as easy as a lip seal.



Works Best:  
OIL SPLASH  
GREASE

Any Position:  
HORIZONTAL  
VERTICAL UP  
VERTICAL DOWN

AVAILABLE IN ALL ANSI  
AND MOST POPULAR SIZES

CUSTOM SIZES  
BUILT TO FIT



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Baton Rouge, LA 70809

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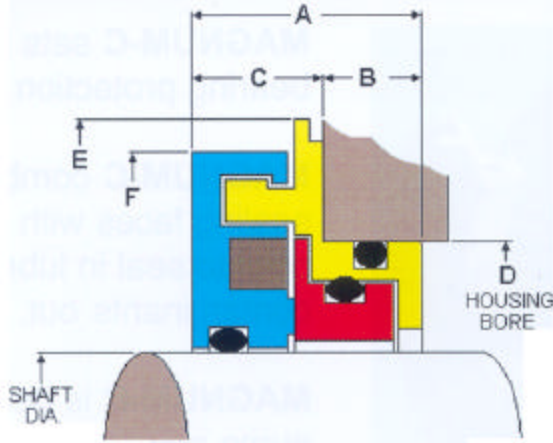
For flooded applications see our MAGNUM-S seal



# MAGNUM - C

DURABLE BY DESIGN

CARTRIDGE BEARING SEAL



## INCH SIZE SEALS

SHAFT DIA.	A	B	C	D minimum	E	F
750" to 2.000"	.780	.325	.455	SHAFT + .750	SHAFT + 1.500	SHAFT + 1.280
2.062" to 2.500"	.825	.325	.500	SHAFT + .750	SHAFT + 1.500	SHAFT + 1.280
2.562" to 2.875"	.875	.375	.500	SHAFT + 1.000	SHAFT + 1.750	SHAFT + 1.510
2.937" to 4.000"	.965	.375	.590	SHAFT + 1.000	SHAFT + 1.920	SHAFT + 1.660
4.062" to 8.000"	1.125	.500	.625	SHAFT + 1.000	SHAFT + 1.950	SHAFT + 1.670

## METRIC SIZE SEALS

SHAFT DIA.	A	B	C	D minimum	E	F
20 to 50 mm	19.8	8.3	11.5	SHAFT + 19.05	SHAFT + 38.10	SHAFT + 32.51
51 to 63 mm	21.0	8.3	12.7	SHAFT + 19.05	SHAFT + 38.10	SHAFT + 32.51
64 to 73 mm	22.2	9.5	12.7	SHAFT + 25.40	SHAFT + 44.45	SHAFT + 38.35
74 to 101 mm	24.5	9.5	15.0	SHAFT + 25.40	SHAFT + 48.77	SHAFT + 42.16
102 to 200 mm	28.6	12.8	15.8	SHAFT + 25.40	SHAFT + 49.53	SHAFT + 42.42

## SPECIFICATIONS

ROTARY FACE	: TFE COMPOSITE	<b>MAX OPERATING CONDITIONS</b> TEMPERATURE : 225 F PRESSURE : 5 PSIG SPEED Lubricated : 12, 000 FPM SPEED Dry : 4,000 FPM
STATIONARY FACE	: HT 17-4PH	
ADAPTER	: BRONZE or SS	
ELASTOMERS	: VITON STD.	
MAGNETS	: RARE EARTH	

### Multi - National Distribution



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