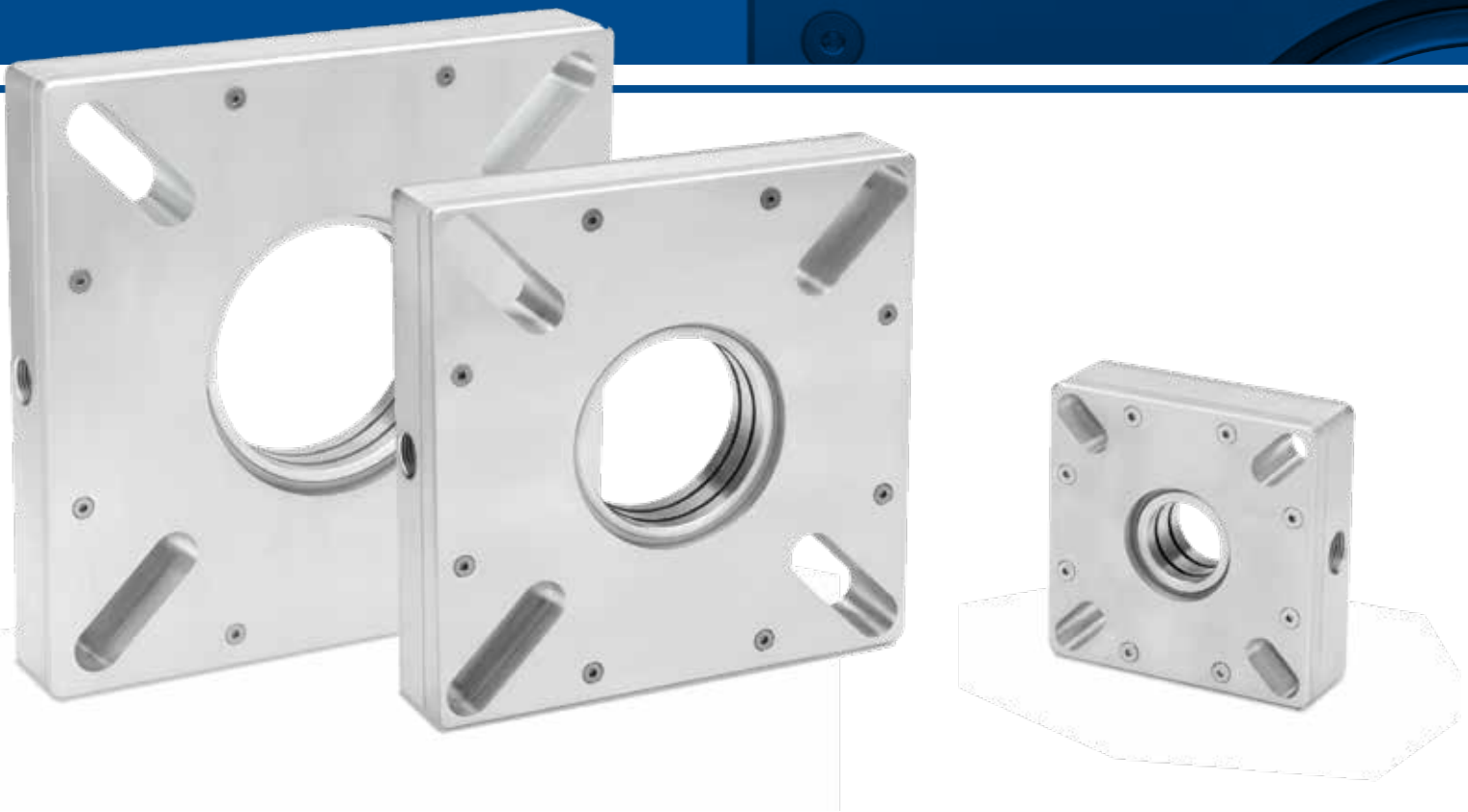




CEMA Screw Conveyors

AM SOLUTIONS SHAFT SEALS



COMPLETE SHAFT SEALING SYSTEM FOR CEMA SCREW CONVEYORS

Shaft movement on screw conveyors causes premature seal failure. Common sealing methods, such as mechanical packing and lip seals, rely on dynamic contact with the shaft to create a seal. Radial and angular shaft movement cause the seal to wear rapidly due to frictional contact, ultimately creating a leak path. This leads to higher production costs, increased maintenance, environmental concerns and even unsafe working conditions.

AIR MIZER SHAFT SEALS FROM INPRO/SEAL

Inpro/Seal® Air Mizer® shaft seals provide a permanent sealing solution for powders, liquids, slurries, and bulk solids on product applications across a variety of industries.

Designed specifically for CEMA Screw Conveyors, the AM CEMA design creates an effective seal by utilizing a positive air, or inert gas, purge between the rotor and stator clearance – preventing product from escaping into atmosphere and contamination from entering the process.

The permanent, non-wearing AM CEMA shaft seal requires minimal maintenance or need for rebuild kits. Unlike conventional contact seals, the AM CEMA shaft seal can fully articulate to accommodate radial run-out and angular misalignment simultaneously.



Inpro/Seal AM CEMA shaft seals provide a permanent sealing solution for CEMA screw conveyors.

AM CEMA TECHNICAL DATA

Standard Materials: Aluminum, Ertalyte

Axial Movement: 0.015 in.

Radial Movement: 0.118 in.

Temperature Range:

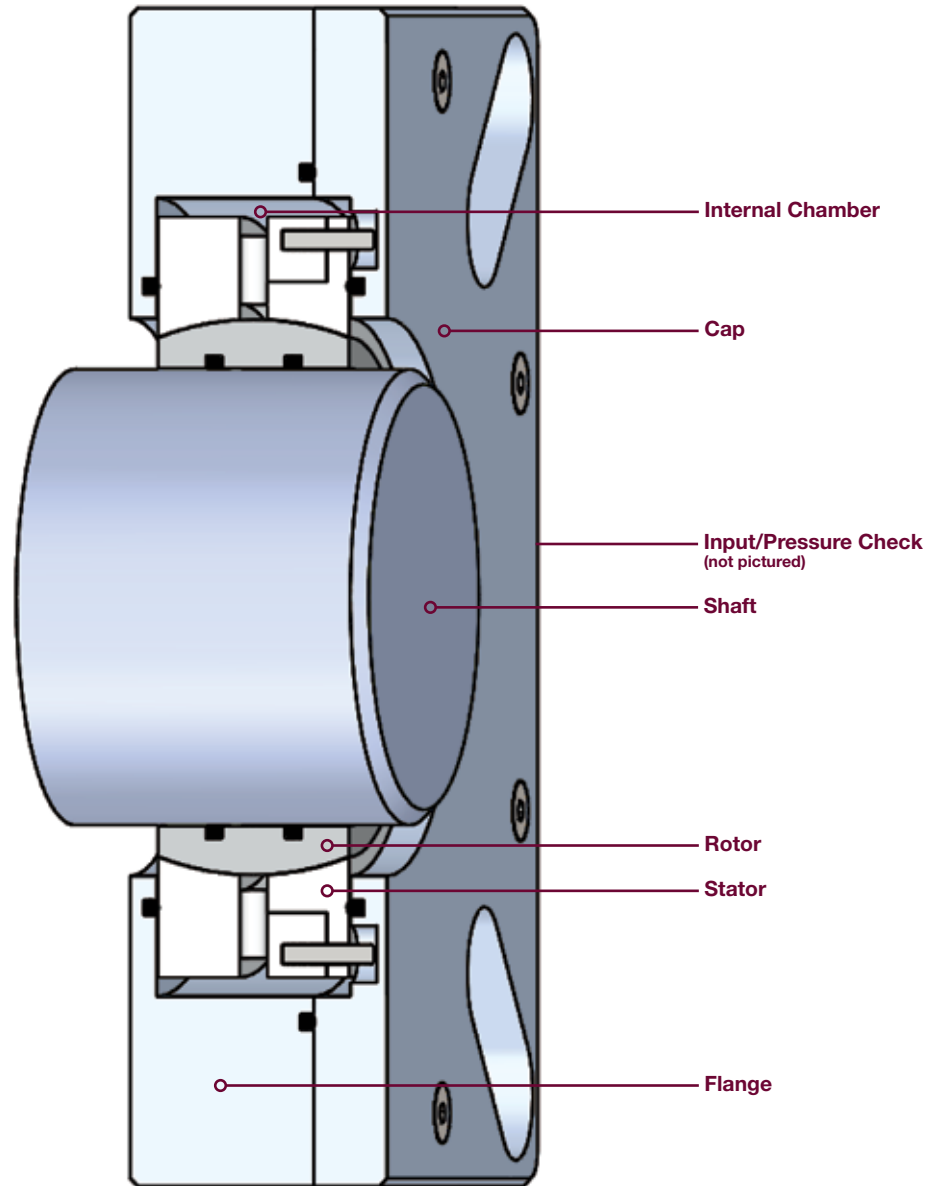
- Ertalyte: 32°F - 210°F
- CPG: 0°F - 400°F

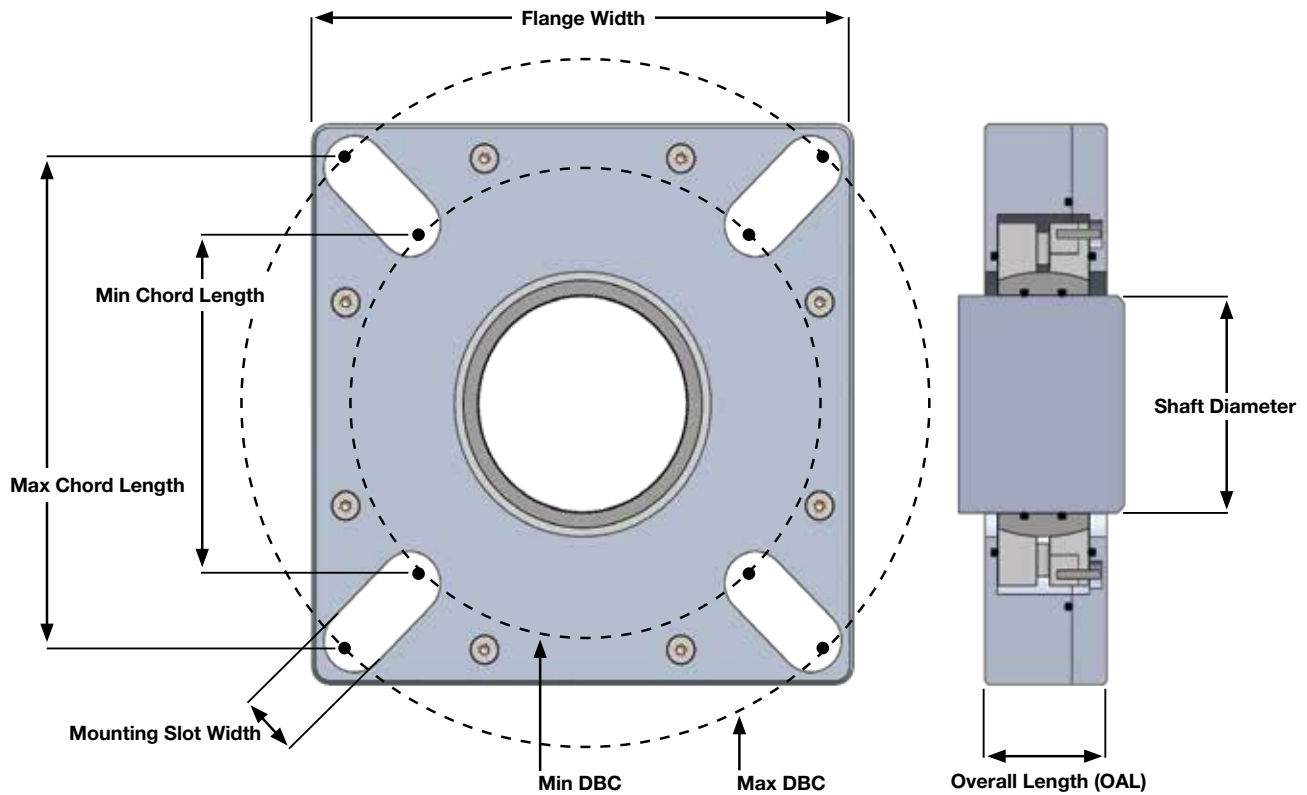
Product Pressure: 30 psi

Speed: 1,800 RPM

Standard Shaft Dimensions:

- 1.000 in.
- 1.500 in.
- 2.000 in.
- 2.438 in.
- 3.000 in.
- 3.438 in.
- 4.438 in.





Shaft Diameter	OAL	Flange Width	Min DBC	Max DBC	Min Chord	Max Chord	Slot Width	Max Temp	Part Number
1.000 in. (+/- 0.005)	1.750 in.	4.250 in.	3.800 in.	5.000 in.	2.687 in.	3.536 in.	0.438 in.	210°F	9975-EERP-82276-5
								400°F	9975-ECPG-82276-5
1.500 in. (+/- 0.005)	1.750 in.	5.375 in.	5.000 in.	6.250 in.	3.536 in.	4.419 in.	0.625 in.	210°F	9975-EERP-82277-5
								400°F	9975-ECPG-82277-5
2.000 in. (+/- 0.005)	1.750 in.	6.500 in.	5.600 in.	7.750 in.	3.960 in.	5.480 in.	0.750 in.	210°F	9975-EERP-82278-5
								400°F	9975-ECPG-82278-5
2.438 in. (+/- 0.005)	1.750 in.	7.375 in.	6.188 in.	8.500 in.	4.376 in.	6.010 in.	0.750 in.	210°F	9975-EERP-82279-5
								400°F	9975-ECPG-82279-5
3.000 in. (+/- 0.005)	1.750 in.	7.750 in.	7.000 in.	9.250 in.	4.950 in.	6.541 in.	0.875 in.	210°F	9975-EERP-82280-5
								400°F	9975-ECPG-82280-5
3.438 in. (+/- 0.005)	1.750 in.	9.250 in.	7.500 in.	11.325 in.	5.303 in.	8.008 in.	0.875 in.	210°F	9975-EERP-82281-5
								400°F	9975-ECPG-82281-5
4.438 in. (+/- 0.005)	1.750 in.	10.875 in.	9.000 in.	13.000 in.	6.364 in.	9.192 in.	0.875 in.	210°F	9975-EERP-82282-5
								400°F	9975-ECPG-82282-5

READY TO GET STARTED?

The Inpro/Seal AM Rotor CEMA shaft seal is designed to fit CEMA Screw Conveyor standard dimensions. Use the above chart to determine the correct shaft seal and contact your local Inpro/Seal Representative to place an order.

The Inpro/Seal® Air Mizer® is a custom engineered solution and some designs may be protected by both US and foreign patents and pending patent applications including US Pat. 7,090,403.



INPRO/SEAL®



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