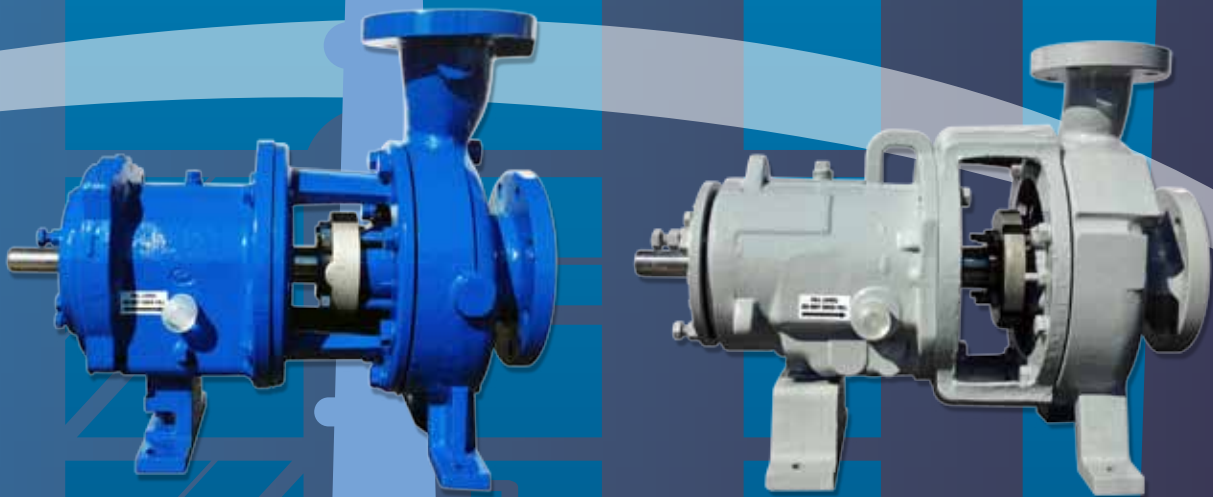


MOSHERFLO **PUMPS**

MosherFlo - G & D ANSI Pumps



Mosherflo-G Features

INPRO LABYRINTH SEALS – STANDARD

All Inboard and Outboard Isolators are installed to prevent bearing failure due to contamination or loss of oil. Bearing life is extended by running cooler & cleaner.

ADJUSTABLE PERFORMANCE

An easy external adjustment can be made to extend the performance of the conditions of service for which the pump is rated.

HEAVY DUTY BEARINGS & SHAFT

The bearings are sized for 10 year average life span. SKF bearings are standard. The shaft is ridged, designed with or without Sleeve, for minimum deflection at seal faces less than 0.002-in. (.05mm)

EXTRA LARGE OIL SUMP CAPACITY

Larger capacity provides for better heat transfer and durability.



3-D BULLSEYE™ SITE-GLASS

Our 3-D Tritan BullsEye™ Sight Glass Makes viewing oil levels easy from any angle, even when pumps are in hard to reach places. This non-staining, solid acrylic site-glass will withstand more wear and tear than a typical sight window will allow. This non-staining, solid acrylic site-glass will withstand more wear and tear than a typical sight window will allow.

HEAVY DUTY POWER END

Designed for extra heavy duty applications that demand reliability.

RIDGED FRAME AND CASING FEET

Reduces effect of pipe loads and helps maintain shaft alignment, reducing vibration.

MOUNTING FLANGE

Supports optional C-face adapter. Accommodates standard ANSI flanges.



BEARING TEMPERATURE GAUGE

*Optional - This feature allows you to check your bearing temperature with ease, and helps with prevention and detection of overheating of bearing fluid & any problems resulting from an overheated bearing chamber. Available with every ANSI Pump.

CARBON STEEL FRAME ADAPTER

Carbon Steel strength for safety and reliability.

CASING

- Top Center-line Discharge
- Back pull-out design
- Integral casing feet
- Class 150 flange standard

CASING BOLTS

S.S. Material

IMPELLER – FULLY OPEN

Designed for corrosive environments.

POSITIVE SEAL CASING JOINT

Protects alignment fit from liquid and eases disassembly.

SEALING FLEXIBILITY

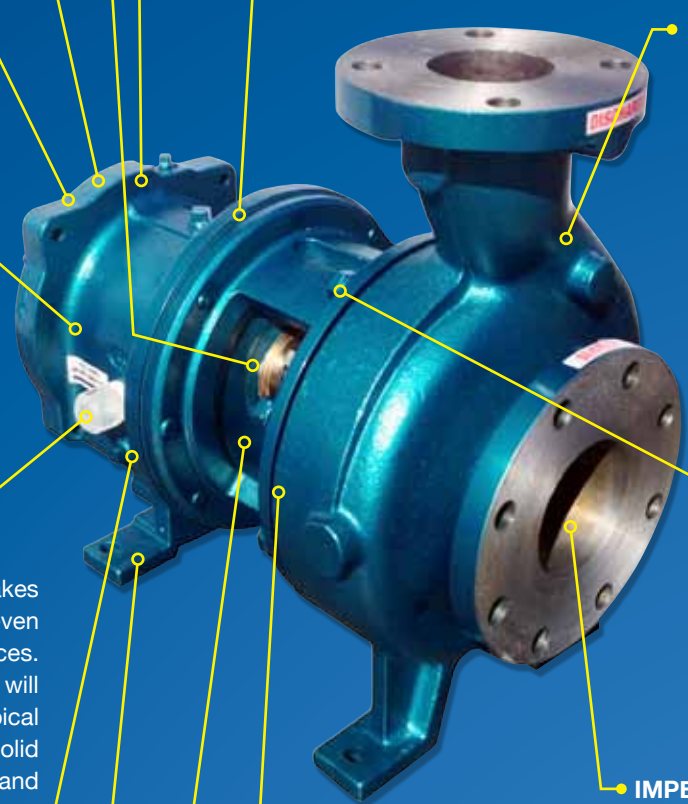
Available with a variety of sealing options—all types of packing, and component & cartridge-type mechanical seals from a large number of well-known suppliers.

WE ARE OEM BUYERS FOR:

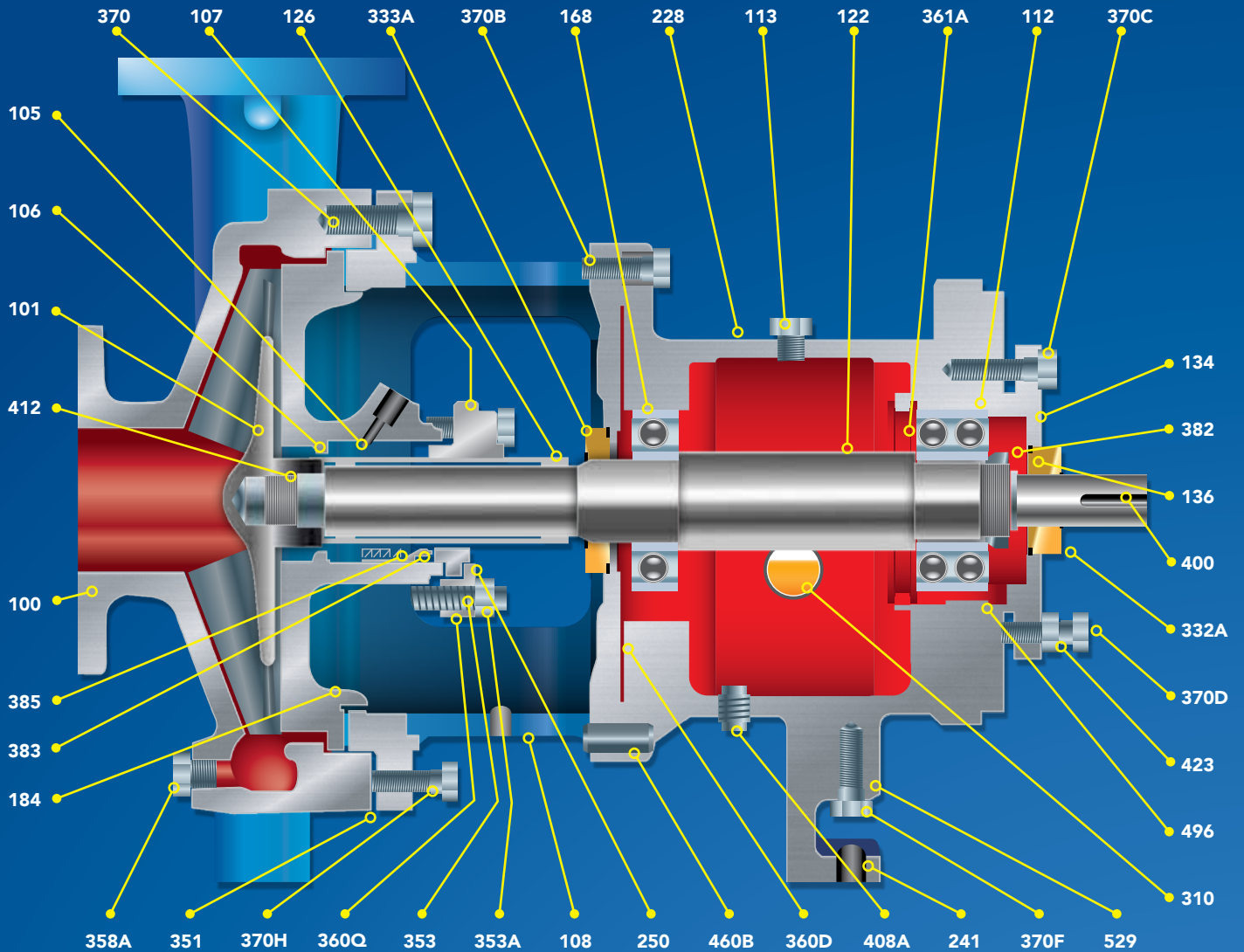
- Eagle-Burgmann
- John Crane
- APEX Sealing
- AES
- Flex-A-Seal
- AST
- and many others.

WE OFFER MANY COVER PLATE OPTIONS

- Standard
- Taper
- Large Bore



Mosherflo-G Parts List



PART #	Qty	Name
100	1	CASING
101	1	IMPELLER
105	1	RING, LANTERN (Optional)
106	5	PACKING (Optional)
107	1	GLAND, PACKING (Optional)
108	1	ADAPTER
112	1	BEARING, OUTBOARD
113	1	PLUG, OIL FILL
122	1	SHAFT Solid / Sleeveable
126	1	SLEEVE, SHAFT
134	1	HOUSING, BEARING
136	1	LOCKNUT, BEARING
168	1	BEARING, INBOARD
184	1	COVER, STUFFING BOX
228	1	BEARING FRAME
241	1	BEARING FRAME FOOT
250	1	GLAND, MECHANICAL SEAL (Optional)
310	1	GAUGE; SIGHT, OIL
332A	1	LABYRINTH, OUTBOARD ISOLATOR
333A	1	LABYRINTH, INBOARD ISOLATOR
351	1	GASKET, CASE
353	4	STUD, GLAND

PART #	Qty	Name
353A	4*	NUT, GLAND STUD
358A	1	PLUG, CASING DRAIN (Optional)
360D	1	GASKET, FRAME / ADAPTER
360Q	1	GASKET GLAND, MECHANICAL SEAL
361A	1	SNAP RING, BEARING
370	0,12,15	BOLT, CASING
370B	4	BOLT, FRAME / ADAPTER
370C	3	BOLT, FRAME / BEARING HOUSING
370D	3	JACK BOLT, BEARING HOUSING
370F	2	BOLT FRAME FOOT
370H	2	BOX COVER / ADAPTER STUD
382	1	LOCKWASHER, BEARING
383	1	SEAL, MECHANICAL ROTATING ELEMENT (Optional)
385	1	SEAL, MECHANICAL STATIONARY ELEMENT (Optional)
400	1	KEY, COUPLING
408A	1	MAGNETIC PLUG, FRAME DRAIN
412	1	O-RING, IMPELLER
423	3	JAMNUT, BEARING HOUSING JACK BOLT
460B	2	DOWEL PIN, FRAME / ADAPTER
496	1	O-RING, BEARING HOUSING / FRAME
529	2	WASHER, FRAME FOOT TO FOOT

*PACKING GLAND HAS ONLY 2 STUDS & NUTS

Mosherflo-D MIII Features

INPRO LABYRINTH SEALS – STANDARD

All Inboard and Outboard Isolators are installed to prevent bearing failure due to contamination or loss of oil. Bearing life is extended by running cooler & cleaner.

LARGER BEARING AND SHAFTS

In comparison to other ANSI pumps, Extending bearing life and reducing vibration and shaft deflection.

ADJUSTABLE PERFORMANCE

An easy external adjustment can be made to extend the performance of the conditions of service for which the pump is rated.

EXTERNAL IMPELLER ADJUSTMENT

Quickly allows for setting the impeller clearance during initial assembly or on-site.



3-D BULLSEYE™ SITE-GLASS

Our 3-D Tritan BullsEye™ Sight Glass Makes viewing oil levels easy from any angle, even when pumps are in hard to reach places. This non-staining, solid acrylic site-glass will withstand more wear and tear than a typical sight window will allow. This non-staining, solid acrylic site-glass will withstand more wear and tear than a typical sight window will allow.

RIDGED FRAME AND CASING FEET

Reduces effect of pipe loads and helps maintain shaft alignment, reducing vibration.

SEALING FLEXIBILITY

Available with a variety of sealing options—all types of packing, and component & cartridge-type mechanical seals from a large number of well-known suppliers.

WE ARE OEM BUYERS FOR:

- Eagle-Burgmann
- John Crane
- APEX Sealing
- AES
- Flex-A-Seal
- AST
- and many others.

WE OFFER MANY COVER PLATE OPTIONS

- Standard
- Taper
- Large Bore

BEARING TEMPERATURE GAUGE

*Optional - This feature allows you to check your bearing temperature with ease, and helps with prevention and detection of overheating of bearing fluid & any problems resulting from an overheated bearing chamber. Available with every ANSI Pump.



CARBON STEEL FRAME ADAPTER

Carbon Steel strength for safety and reliability.

CASING

- Top Center-line Discharge
- Back pull-out design
- Integral Casing Feet
- Class 150 Flanges standard

CASING BOLTS

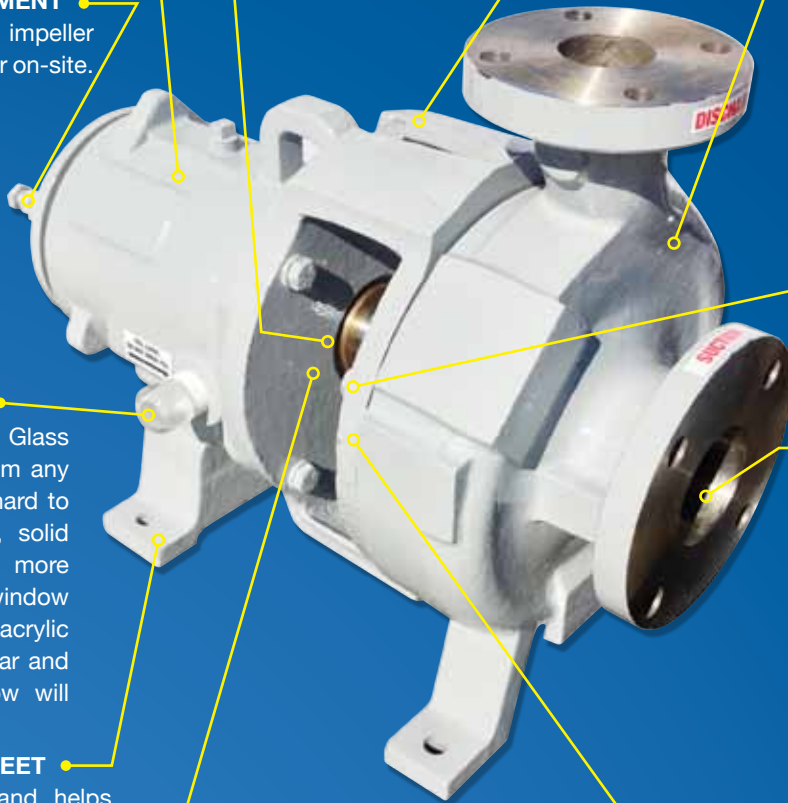
S.S. Material

SPECIALLY DESIGNED REVERSE VANE IMPELLER

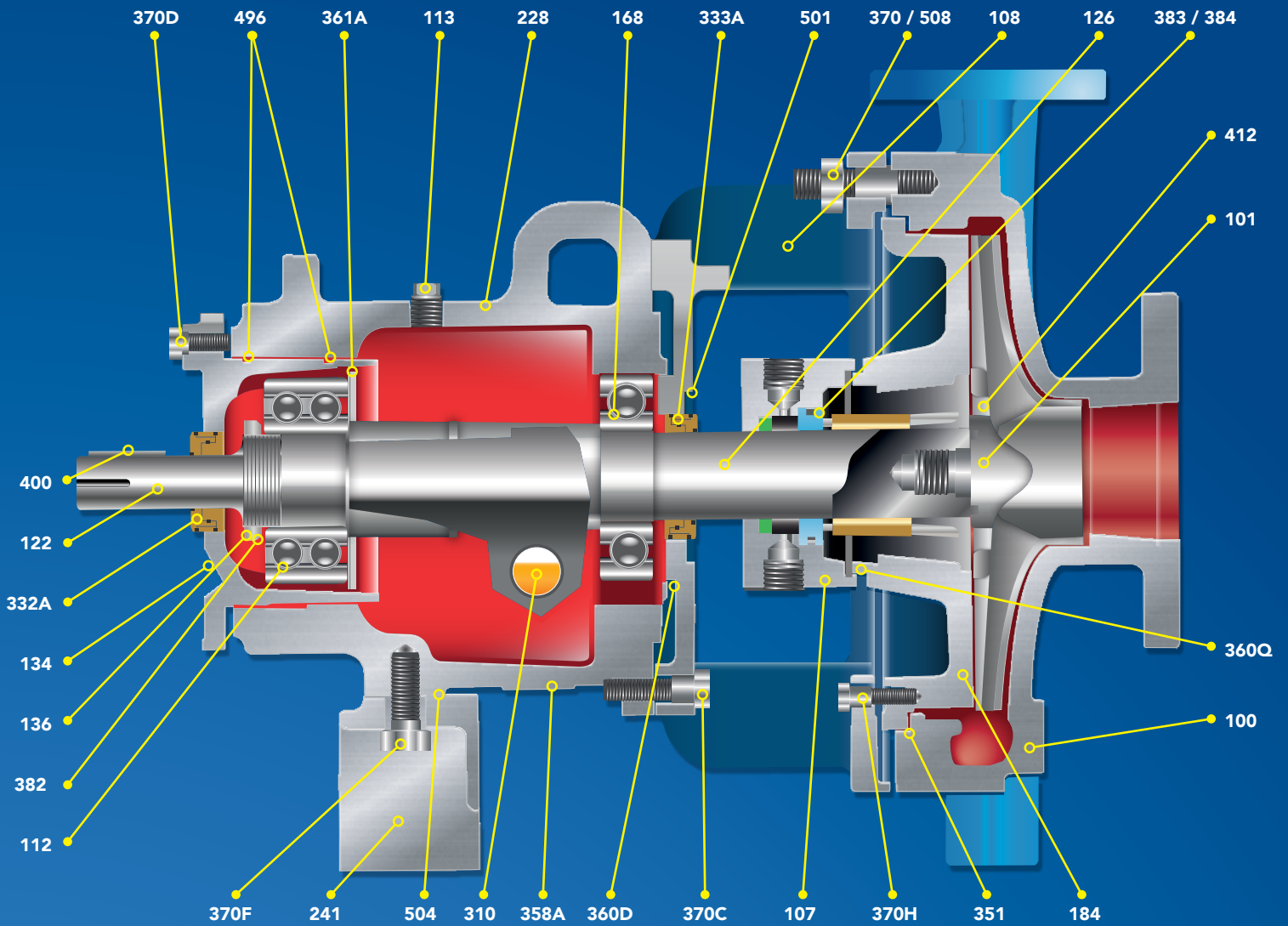
Offers consistent performance throughout the pump's lifetime. Reverse Vane is standard. Open impellers are available upon request.

POSITIVE SEAL CASING JOINT

Protects alignment fit from liquid and eases disassembly.



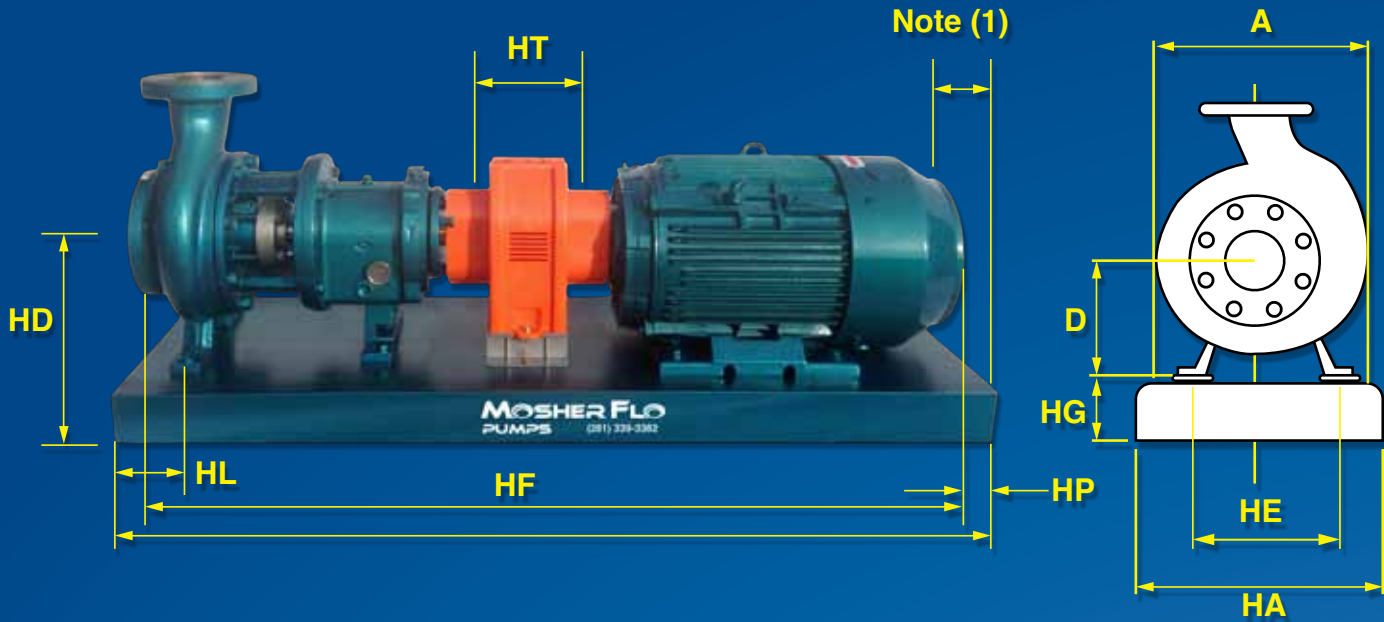
Mosherflo-D Parts List



PART #	Name
100	CASING
101	IMPELLER
106	PACKING (Optional Not Shown)
107	GLAND
108	ADAPTER – BEARING HOUSING
112	BALL BEARING – OUTBOARD
113	PLUG – OIL FILL
122	SHAFT
126	SLEEVE (Optional)
134	BEARING CARRIER
136	BEARING LOCKNUT
168	BALL BEARING – INBOARD
184	COVER
228	BEARING HOUSING
241	SUPPORT FOOT
250	SEAL CAGE (W/Packing Not Shown)
310	SIGHT GAUGE – BEARING HOUSING 3D BULLSEYE
332A	OIL SEAL – LABYRINTH, OUTBOARD ISOLATOR
333A	OIL SEAL – LABYRINTH, INBOARD FRAME, ISOLATOR
351	GASKET – COVER
353A	NUT – GLAND – (Not Shown)
358A	MAGNETIC PLUG – BEARING HOUSING DRAIN

PART #	Name
360D	O-RING – ADAPTER
360Q	GASKET – GLAND
361A	RETAINING RING – BEARING
370	STUD – CASING
370C	SCREW – BEARING HOUSING
370D	SCREW – BEARING CARRIER SET
370F	SCREW – FOOT
370H	SCREW – COVER/ADAPTER
382	LOCKWASHER BEARING
383 / 384	MECHANICAL SEAL
400	KEY – SHAFT/COUPLING
412	GASKET – IMPELLER
496	O-RING – BEARING CARRIER
500	RETAINING RING – CLAMP TYPE (Not shown)
501	DEFLECTOR INBOARD (Optional)
502	OIL FLINGER (Optional, Not Shown)
503	CONSTANT LEVEL OILER (Optional, Not Shown)
504	SHIM
505	PLUG – BEARING HOUSING VENT (Not Shown)
506	SCREW – CLAMP (Not Shown)
507	STUD – GLAND – (Not Shown)
508	NUT – CASING

MosherFlo G & D ANSI Interchangeability and Dimensional Data



BASEPLATE DIMENSIONS (Dimensions In Inches)

Model	Baseplate No.	Nema Frames Available	HA	HB	HT	HD Max. (Note 2)				HE	HF	*HG	HH	HL	HP	
						D=5.25	D=3.25	D=10	D=14.5							
ST/G1	1	56-145T	10	36	3.75	8.25	---	---	---	4.5	32.5	3	0.75	4.5	1.25	
	2	182-215T	12	42	3.75	8.5	---	---	---	6	36.5	3.25	0.75	4.5	1.25	
	3	254U-286TS	15	48	3.75	9.38	---	---	---	7.5	43.5	4.125	0.75	4.5	1.25	
MT/G2	1	143-215	15	48	3.75	---	12	13.75	---	4.5	42.5	3.75	3.75	0.75	4.5	1.25
	2	254-286	15	58	3.75	---	12.38	14.13	---	6	49.5	4.125	4.125	0.75	4.5	1.25
	3	324-326	18	60	3.75	---	13	14.75	---	7.5	55.5	4.75	4.75	1	4.5	1.25
	3	364-365	18	60	3.75	---	14	14.75	---	7.5	55.5	5.75	4.75	1	4.5	1.25
	4	404-405	22	68	3.75	---	15	15	---	9.5	57.5	6.75	5	1	4.5	1.25
XLT/G3	1	213-286T	22	68	5.25	---	---	---	19.25	9.5	65.5	4.75	1	6.5	1.25	
	2	324-365TS	22	72	5.25	---	---	---	19.25	9.5	65.5	4.75	1	6.5	1.25	
	3	404-447TS	24	92	5.25	---	---	---	19.25	9.5	77.5	4.75	1	6.5	1.25	

Notes:

- (1) Motor should not extend beyond end of baseplate.
- (2) If applicable, Motor Requires Shims/Risers to Meet Centerline of Pump. (not shown in above diagram)
- *For channel baseplate, refer to your MosherFlo Distribution Center for weight per Ft. # information.

BASETEK DIMENSIONS					
BASE	NEMA	HA	HB	HG	HL
127		15	27	3.63	4.50
139	143/5T, 182/4T	15	39	3.63	4.50
148	213/5T, 254/6T	18	48	4.00	4.50
153A	284T/TS, 286T/TS	21	53	4.00	4.50
153B	324T/TS, 326T/TS	21	53	4.00	4.50
245	143/5T, 182/4T	15	45	3.63	4.50
252	213T, 215T	18	52	4.00	4.50
258A	254T, 256T	21	58	4.00	4.50
258B	284T/TS, 286T/TS	21	58	4.00	4.50
264A	324T/TS, 326T/TS	21	64	4.00	4.50
264B	364T/TS, 365T/TS	21	64	4.00	4.50
268	404T/TS, 405T/TS	26	68	4.00	4.50
280	444/5T/9TS	26	80	4.00	4.50
368	284T, 286T	26	68	4.00	6.50
380A	324/6T, 404T/TS	26	80	4.00	6.50
380B	364/5T, 405T/TS	26	80	4.00	6.50
398	444/5T/TS, 447/9T	26	98	4.00	6.50

C-CHANNEL Steel Base ≈1/2"	HA	Weight per Ft.	HG - HEIGHT	THICKNESS
	10	15.30#	2.6	0.24
	10	20.00#	2.739	0.379
	10	25.00#	2.886	0.526
	10	30.00#	3.033	0.673
	12	20.70#	2.94	0.28
	12	25.00#	3.047	0.387
	12	30.00#	3.17	0.51
	12	31.00#	3.67	0.37
	15	33.90#	3.4	0.4
	15	40.00#	3.52	0.52
	15	50.00#	3.716	0.716
	18	42.70#	3.95	0.45
	18	45.80#	4	0.5
	18	51.90#	4.1	0.6
	18	58.00#	4.2	0.7



MosherFlo is offering, as standard on their baseplates, Falk Orange Peel Guards--Never dents, rusts, or needs painting with 3 year heavy-duty factory warranty. Orange Peel guards comply with OSHA, ASME, and ANSI standards.