

WARMAN®
Centrifugal Slurry Pumps

Excellent
Minerals
Solution



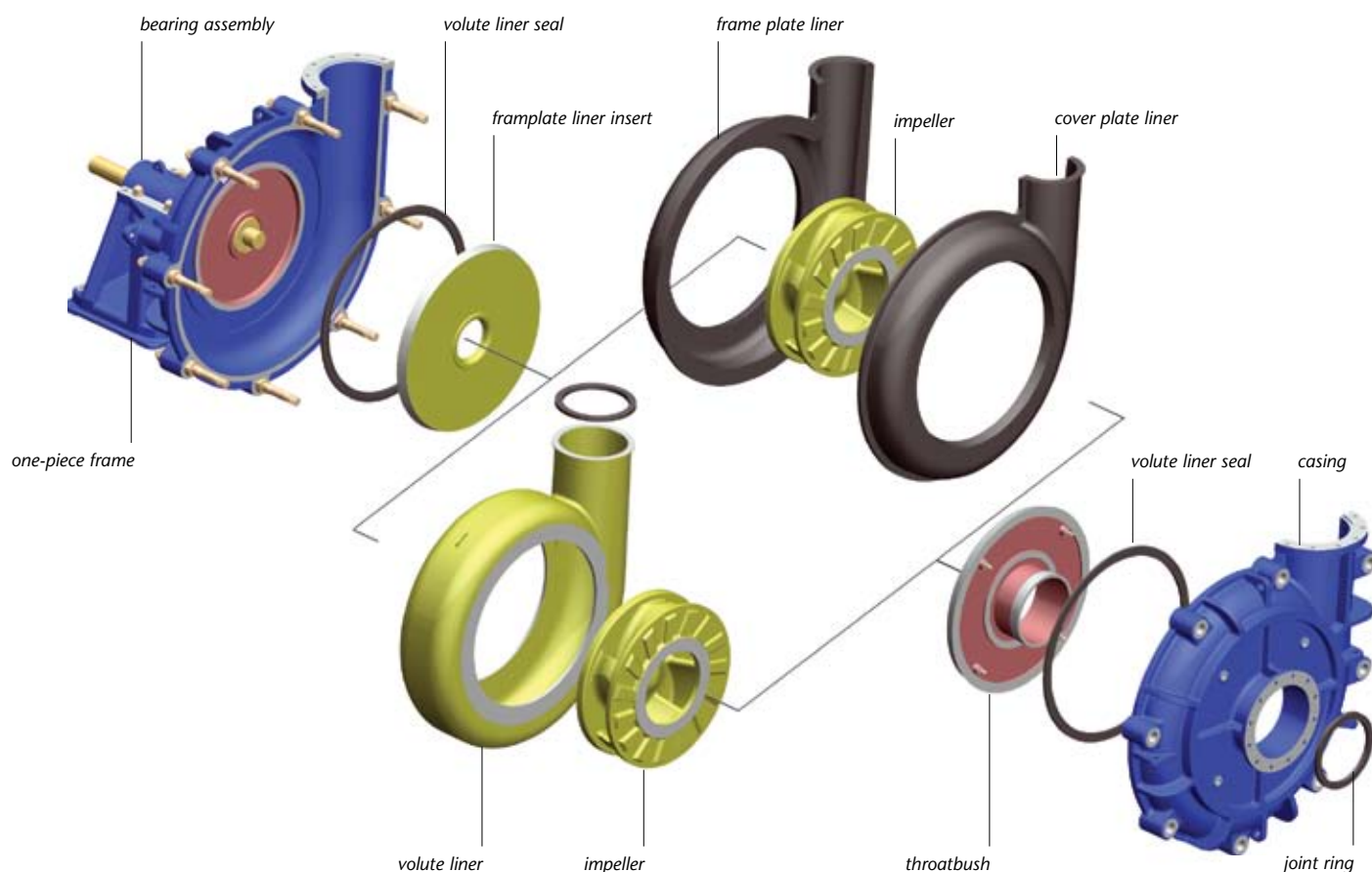
AH



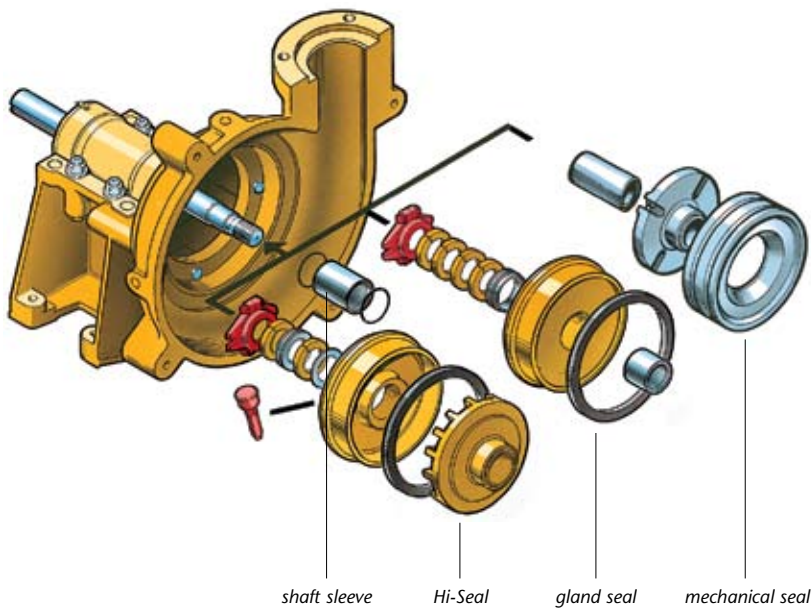
The versatile, fully lined Warman AH offers a wide range of seal and liner configurations allowing the pump to be tailored to the customer's specific application.

Warman AH design features

- **Bearing assembly** – A large diameter shaft with short overhang minimizes deflection and contributes to long bearing life. Only four through bolts are required to hold the cartridge type housing in the frame.
- **Liners** – Easily replaceable liners are bolted, not glued, to the casing for positive attachment and ease of maintenance. Hard metal liners are completely interchangeable with pressure molded elastomers. Elastomer seal rings back all liner joints.
- **Casing** – Casing halves of cast or ductile iron with external reinforcing ribs provide high operating pressure capabilities and an extra measure of safety.
- **Impeller** – Front and rear shrouds have pump out vanes that reduce recirculation and seal contamination. Hard metal and molded elastomer impellers are completely interchangeable. Cast in impeller threads require no inserts or nuts. High efficiency and high head designs are also available.
- **Throatbush** – Wear is reduced and maintenance simplified by the use of tapered mating faces to allow positive accurate alignment during assembly and simple removal.
- **One-piece frame** – A very robust one-piece frame cradles the cartridge type bearing and shaft assembly. An external impeller adjustment mechanism is provided below the bearing housing for easy adjustment of impeller clearance.



Warman pumps provide complete interchangeability of seal arrangements.



Full flush, low flow, centrifugal, or mechanical seals may be fitted to any sized pump.

Shaft sleeve

An easily removable shaft sleeve manufactured in either hardened or ceramic coated stainless with o-ring seals at both ends protects the shaft from abrasive or corrosive contaminants.

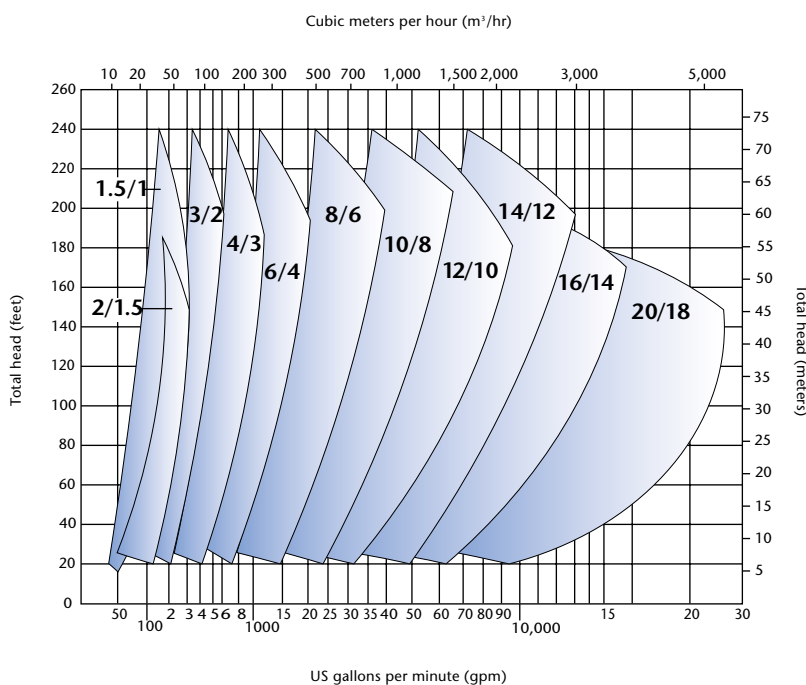
Hi-Seal

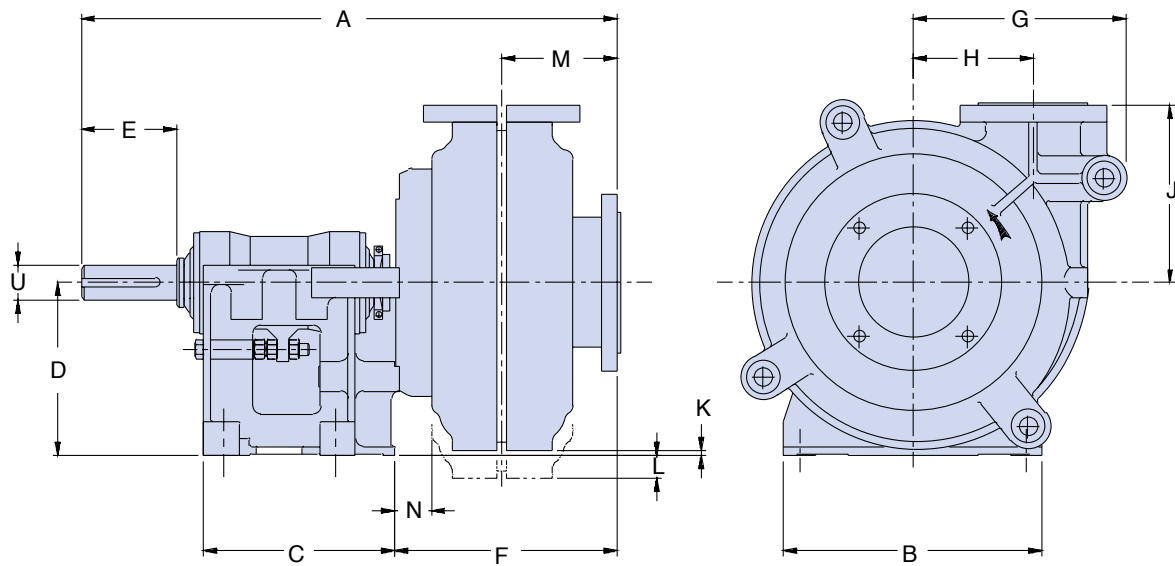
External gland sealing water is avoided in most applications by utilizing the "Hi-Seal" expeller design. Where flushing water is unavoidable, restricted flow glands keep this to a minimum.

Mechanical seal

Available for most applications, single or double mechanical seals can be offered as an alternative to a conventional seal.

Warman AH pump quick selection chart





Warman AH pump dimensions

pump size	A inches	B inches	C inches	D inches	U mm	key size mm	E inches	F inches	G inches	H inches	J inches	K inches	L inches	M inches	N inches	wt/lbs	
																metal	rubber
1.5/1 BAH	22.95	11.61	9.76	7.76	28	8x7	3.11	8.11	7.13	3.86	6.73	1.81	–	4.17	.74	195	170
1.5/1 CHH	29.88	15.98	12.24	10.00	42	12x8	4.76	10.59	10.63	7.64	10.00	–	.43	4.76	2.61	700	–
2/1.5 BAH	23.31	11.61	9.76	7.76	28	8x7	3.11	8.54	7.99	4.49	7.24	1.31	–	4.49	.86	345	260
3/2 CAH	30.24	15.98	12.24	10.00	42	12x8	4.76	11.02	9.37	5.43	8.27	2.81	–	5.94	1.56	435	340
3/2 DHH	38.82	19.37	14.33	12.99	65	18x11	6.46	15.28	15.12	10.00	14.49	–	2.00	7.99	3.28	1550	–
3/2 QHH	40.16	21.26	18.11	11.81	60	18x11	5.91	15.31	15.12	10.00	14.40	–	3.19	7.99	2.22	1735	–
4/3 CAH	33.19	15.98	12.24	10.00	42	12x8	4.76	13.90	11.50	5.87	10.31	.93	–	7.36	2.11	550	520
4/3 DAH	37.13	19.37	14.33	12.99	65	18x11	6.46	13.90	11.50	5.87	10.31	3.94	–	7.36	2.04	700	640
4/3 EHH	48.82	24.49	17.64	17.99	80	22x14	8.74	19.37	19.37	12.99	17.00	–	–	9.76	3.12	2750	–
4/3 RHH	50.98	26.77	23.23	13.78	85	22x14	8.46	19.29	19.29	12.99	17.00	–	4.09	9.76	1.83	3090	–
6/4 DAH	40.20	19.37	14.33	12.99	65	18x11	6.46	16.69	15.98	9.02	13.31	.43	–	8.62	2.57	1475	1000
6/4 EAH	46.38	24.49	17.64	17.99	80	22x14	8.74	17.05	15.98	9.02	13.31	5.43	–	8.62	2.96	1950	1400
6/4 FHH	61.26	33.74	24.96	24.02	100	28x16	10.98	23.03	24.25	16.26	21.50	1.00	–	12.01	2.96	5575	–
6/4 SHH	65.67	36.22	30.71	17.72	120	32x18	11.02	23.15	24.25	16.26	21.50	–	5.28	12.01	3.04	6335	–
8/6 EAH	51.26	24.49	17.64	17.99	80	22x14	8.74	21.93	21.69	12.52	18.11	–	2.44	11.50	3.23	3300	2165
8/6 FAH	59.33	33.74	25.00	24.02	100	28x16	10.98	21.22	21.69	12.52	18.11	3.54	–	11.50	2.56	4000	3065
8/6 THH	89.57	45.28	40.94	25.59	150	36x20	13.78	33.54	32.87	22.99	32.01	–	6.30	15.51	6.93	14490	–
10/8 FAH	64.80	39.02	27.76	24.02	100	28x16	10.98	26.89	26.50	16.50	25.00	–	.47	13.11	5.28	7040	5690
10/8 STAH	68.82	45.28	30.71	25.59	120	32x18	11.02	27.24	26.50	16.50	25.00	1.06	–	13.11	5.63	8250	6900
12/10 FAH	67.76	39.02	27.76	24.02	100	28x16	10.98	29.65	29.76	18.27	26.50	–	4.09	15.00	4.25	8290	6190
12/10 STAH	71.50	45.28	30.71	25.59	120	32x18	11.02	30.00	29.72	18.27	26.50	–	2.56	15.00	4.60	9500	7400
14/12 FAH	69.76	39.02	27.76	24.02	100	28x16	10.98	31.61	36.89	24.76	32.76	–	10.35	15.98	4.13	12890	9090
14/12 STAH	73.74	45.28	30.71	25.59	120	32x18	11.02	31.97	36.89	24.76	32.76	–	8.82	15.98	4.48	14100	10300
16/14 TUAH	91.34	57.48	41.34	35.43	150	36x20	13.78	37.52	41.26	25.98	35.00	–	3.31	17.76	6.56	22000	–

Note: U dimensions and key sizes are in millimeters. All others are in inches.

Weir Minerals North America

2701 S Stoughton Road, Madison WI 53716
PO Box 7610, Madison WI 53707
USA

Tel: 608 221 2261
Fax: 608 221 5810
www.weirminerals.com

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