

E SERIES CIRCULATORS

CAST IRON BODY CONSTRUCTION

Model	Part No.		List Price	Wt (lbs)
	120V Motor	240V Motor		
E7	180200-643	180200-671	\$ 318.00	11.5
E8	180200-657	180200-645	\$ 342.00	11.5
E9	180200-659	180200-647	\$ 342.00	11.5
E10	180200-649	180200-661	\$ 350.00	13.0
E11	180200-651	180200-663	\$ 350.00	13.0
E12-TE*	180210-641	180210-600	\$ 620.00	17.0
E12	180210-841	180210-800	\$ 620.00	17.0
E13	180200-655	180200-667	\$ 436.00	13.0
E14-TE*	180210-643	180210-602	\$ 642.00	17.0
E14	180210-843	180210-802	\$ 642.00	17.0
E15	180210-661	180210-620	\$ 844.00	18.9
E16	180200-653	180200-665	\$ 703.00	18.6
E17	180210-663	180210-622	\$ 743.00	18.9
E19	180210-649	180210-608	\$ 717.00	18.7
E21	180210-665	180210-624	\$ 717.00	18.7
E22	180210-667	180210-626	\$ 930.00	18.7
E23	180210-651	180210-610	\$ 1,167.00	18.7
E24	180210-653	180210-612	\$ 913.00	18.7
E28	180210-655	180210-614	\$ 849.00	25.8
E29	180210-657	180210-616	\$ 1,019.00	25.8
E30	180210-645	180210-604	\$ 717.00	23.1
E30 - 3"	180210-671	180210-630	\$ 728.00	25.8
E33	180210-669	180210-628	\$ 765.00	23.1
E33 - 3"	180210-675	180210-634	\$ 775.00	25.8

* max fluid temp = 150°F (65°C)

BRONZE BODY CONSTRUCTION

Model	Part No.		List Price	Wt (lbs)
	120V Motor	240V Motor		
E7B	180200-644	180200-672	\$ 474.00	12.8
E8B	180200-658	180200-646	\$ 503.00	12.8
E9B	180200-660	180200-648	\$ 503.00	12.8
E10B	180200-650	180200-662	\$ 516.00	14.8
E11B	180200-652	180200-664	\$ 516.00	14.8
E12B-TE*	180210-642	180210-601	\$ 749.00	18.0
E12B	180210-842	180210-801	\$ 749.00	18.0
E13B	180200-656	180200-668	\$ 607.00	14.8
E14B-TE*	180210-644	180210-603	\$ 783.00	18.0
E14B	180210-844	180210-803	\$ 783.00	18.0
E15B	180210-662	180210-621	\$ 1,488.00	20.3
E16B	180200-654	180200-666	\$ 1,150.00	20.7
E17B	180210-664	180210-623	\$ 1,217.00	20.3
E19B	180210-650	180210-609	\$ 1,137.00	20.1
E21B	180210-666	180210-625	\$ 1,164.00	20.1
E22B	180210-668	180210-627	\$ 1,515.00	20.1
E23B	180210-652	180210-611	\$ 2,272.00	20.1
E24B	180210-654	180210-613	\$ 1,515.00	20.1
E28B	180210-656	180210-615	\$ 1,526.00	27.7
E29B	180210-658	180210-617	\$ 2,055.00	27.7
E30B	180210-646	180210-605	\$ 1,267.00	24.7
E30B - 3"	180210-672	180210-631	\$ 1,293.00	27.7
E33B	180210-670	180210-629	\$ 1,326.00	24.7
E33B - 3"	180210-676	180210-635	\$ 1,353.00	27.7

Flange Kit Model and Part Number

Flange kits*	Cast Iron						Bronze					
	E7 E8 E9 E12 E14			E10 E11 E13			E7 E8 E9 E12 E14			E10 E11 E13		
	E15 E17			E19 E21 E22			E15 E17			E19 E21 E22		
Flange (¾")	816013-211			N/A			816013-241			N/A		
Flange (1")	816012-211			806073-111			816012-241			806073-141		
Flange (1½")	816011-211			804300-111			816011-241			804300-141		
Flange (1½")	816009-211			804301-111			816009-241			804301-141		
Flange (2")	N/A			N/A			N/A			N/A		
Flange (3")**	N/A			N/A			N/A			N/A		

* (contains two (2) flanges, hardware & gaskets)

** E28, E29, E30 - 3" and E33 - 3" models only

Description	Cast Iron			Bronze		
	Part No.	Price	Wt (lbs)	Part No.	Price	Wt (lbs)
Flange kit - (¾")	816013-211	\$ 14.45	2	816013-241	\$ 42.86	2
Flange kit - (1")	816012-211	\$ 14.45	2	816012-241	\$ 42.86	2
Flange kit - (1½")	816011-211	\$ 14.45	2	816011-241	\$ 49.36	2
Flange kit - (1½")	816009-211	\$ 14.45	3	816009-241	\$ 55.85	3
Flange kit - (1")	806073-111	\$ 25.30	2	806073-141	\$ 59.74	2
Flange kit - (1½")	804300-111	\$ 25.30	2	804300-141	\$ 59.74	2
Flange kit - (1½")	804301-111	\$ 25.30	3	804301-141	\$ 59.74	3
Flange kit - (2")	806074-111	\$ 38.53	4	806074-141	\$ 83.12	4
Flange kit - (3")	805188-111	\$ 82.40	7	805188-141	\$ 192.50	7

Cast Iron Engineered Spool Pieces

(For replacing pumps with larger flange-to-flange dimensions than E Series)

Model	Part No.	Pipe Size	Spool length	Price	Wt (lbs)
ESP-1	180221-011	1-1/4"	3"	\$ 42.00	3
ESP-2	180222-011	1-1/4"	2 1/2"	\$ 42.00	3
ESP-4	180224-011	1 1/2"	3"	\$ 42.00	3
ESP-5	180225-011	1 1/2"	5"	\$ 42.00	3
ESP-6	180226-011	3"	1 1/2"	\$ 83.00	7
ESP-7	180227-011	3"	2 5/8"	\$ 83.00	7
ESP-8	180228-011	3"	3 1/2"	\$ 83.00	7
ESP-9	180229-011	3"	5 1/8"	\$ 83.00	7
ESP-10	180230-011	2"	5"	\$ 62.00	5
ESP-11	180231-011	1 1/2"	2 1/2"	\$ 42.00	3
ESP-12	180232-011	2"	3"	\$ 62.00	5
ESP-13	180233-011	2"	5 1/2"	\$ 62.00	5

ASTRO CIRCULATORS

ASTRO 3 Speed:

IRON BODY CONSTRUCTION

Model No.	Part No.	Connection	List Price	Wt.ea.lbs.
ASTRO 30-3	110123-305	Flanged	\$ 143.00	7
ASTRO 50-3	110123-307	Flanged	\$ 161.00	7

Coming - TBA
 Coming - TBA

BRONZE BODY CONSTRUCTION

Model No.	Part No.	Connection	List Price	Wt.ea.lbs.
ASTRO 30B-3	110123-306	Flanged	\$ 225.00	8
ASTRO 50B-3	110123-308	Flanged	\$ 238.00	8

Coming - TBA
 Coming - TBA

ASTRO Single Speed:

IRON BODY CONSTRUCTION

Model No.	Part No.	Connection	List Price	Wt.ea.lbs.
ASTRO-20F	110123-013	Flanged	\$ 132.00	7
ASTRO-30	110123-005	Flanged	\$ 136.00	7
ASTRO-50	110123-007	Flanged	\$ 155.00	7
ASTRO-70	110123-011	Flanged	\$ 237.00	8

BRONZE BODY CONSTRUCTION

Model No.	Part No.	Connection	List Price	Wt.ea.lbs.
ASTRO-20BS	110123-001	Sweat - 1/2"	\$ 206.00	6
ASTRO-20BS	110123-002	Sweat - 3/4"	\$ 212.00	6
ASTRO-25BS	110123-003	Sweat - 1/2"	\$ 206.00	6
ASTRO-25BS	110123-004	Sweat - 3/4"	\$ 212.00	6
ASTRO-20BU	110123-009	Union	\$ 214.00	6.5
ASTRO-25BU	110123-010	Union	\$ 219.00	6.5
ASTRO-20BF	110123-014	Flanged	\$ 212.00	8
ASTRO-30B	110123-006	Flanged	\$ 219.00	8
ASTRO-50B	110123-008	Flanged	\$ 232.00	8
ASTRO-70B	110123-012	Flanged	\$ 330.00	8

ASTRO CIRCULATORS

COMPANION FLANGE KITS (contains two (2) flanges, hardware & gaskets)**CAST IRON**

Model	Part No.	Size	List Price	Wt. (lbs.)
ASTRO 20/30/50/70	816013-111	0.75"	\$ 14.34	2
ASTRO 20/30/50/70	816012-111	1"	\$ 14.34	2
ASTRO 20/30/50/70	816011-111	1.25"	\$ 14.34	2
ASTRO 20/30/50/70	816009-111	1.5"	\$ 14.34	3

BRONZE

Model	Part No.	Size	List Price	Wt. (lbs.)
ASTRO 20B/30B/50B/70B	816013-141	0.75"	\$ 44.08	2
ASTRO 20B/30B/50B/70B	816012-141	1"	\$ 44.08	2
ASTRO 20B/30B/50B/70B	816011-141	1.25"	\$ 50.81	2
ASTRO 20B/30B/50B/70B	816009-141	1.5"	\$ 57.54	3

UNION FITTING SETS (contains two (2) half unions & gaskets)

Model	Part No.	Connection	List Price	Wt. (lbs.)
ASTRO 20/25BU	810120-220	1.25" NPSM x 0.5" Sweat	\$ 29.38	2
ASTRO 20/25BU	810120-222	1.25" NPSM x 0.75" Sweat	\$ 29.38	2
ASTRO 20/25BU	810120-224	1.25" NPSM x 0.75" FNPT	\$ 33.06	2

ASTRO DOMESTIC HOT WATER RE-CIRCULATION SYSTEMS

	Model No.	Part No.	Connection/Controls	List Price	Lead time	Wt. ea. lbs.
Timer Aquastat Line Cord	ASTRO 20B050S-TA	110123-140	Astro-20BS bronze 1/2" sweat w/ timer, aquastat & 6 ft. line cord	\$ 328.00	1 week	7
	ASTRO 20B075S-TA	110123-141	Astro-20BS bronze 3/4" sweat w/ timer, aquastat & 6 ft. line cord	\$ 334.00	1 week	7
	ASTRO 25B050S-TA	110123-142	Astro-25BS bronze 1/2" sweat w/ timer, aquastat & 6 ft. line cord	\$ 328.00	1 week	7
	ASTRO 25B075S-TA	110123-143	Astro-25BS bronze 3/4" sweat w/ timer, aquastat & 6 ft. line cord	\$ 334.00	1 week	7
	ASTRO 20BU-TA	110123-144	Astro 20BU 1 1/4" NPSM Union w/ timer, aquastat & 6 ft. line cord	\$ 336.00	3 weeks	7
	ASTRO 25BU-TA	110123-145	Astro 25BU 1 1/4" NPSM Union w/ timer, aquastat & 6 ft. line cord	\$ 341.00	3 weeks	7
	ASTRO 20BF-TA	110123-146	Astro 20BF circulator w/ timer, aquastat & 6 ft. line cord	\$ 334.00	1 week	9
	ASTRO 30B-TA	110123-148	Astro 30BF circulator w/ timer, aquastat & 6 ft. line cord	\$ 341.00	3 weeks	9
	ASTRO 50B-TA	110123-149	Astro 50BF circulator w/ timer, aquastat & 6 ft. line cord	\$ 354.00	3 weeks	9
	ASTRO 70B-TA	110123-150	Astro 70BF circulator w/ timer, aquastat & 6 ft. line cord	\$ 452.00	3 weeks	9
Timer Line Cord	ASTRO 20B050S-T	110123-240	Astro-20BS bronze 1/2" sweat w/ timer & 6 ft. line cord	\$ 317.00	1 week	7
	ASTRO 20B075S-T	110123-241	Astro-20BS bronze 3/4" sweat w/ timer & 6 ft. line cord	\$ 323.00	1 week	7
	ASTRO 25B050S-T	110123-242	Astro-25BS bronze 1/2" sweat w/ timer & 6 ft. line cord	\$ 317.00	1 week	7
	ASTRO 25B075S-T	110123-243	Astro-25BS bronze 3/4" sweat w/ timer & 6 ft. line cord	\$ 323.00	1 week	7
	ASTRO 20BU-T	110123-244	Astro 20BU 1 1/4" NPSM Union w/ timer & 6 ft. line cord	\$ 325.00	1 week	7
	ASTRO 25BU-T	110123-245	Astro 25BU 1 1/4" NPSM Union w/ timer & 6 ft. line cord	\$ 330.00	1 week	7
	ASTRO 20BF-T	110123-246	Astro 20BF circulator w/ timer & 6 ft. line cord	\$ 323.00	1 week	9
	ASTRO 30B-T	110123-248	Astro 30BF circulator w/ timer & 6 ft. line cord	\$ 330.00	1 week	9
Line Cord	ASTRO 20B050S-LC	110123-340	Astro-20BS bronze 1/2" sweat w/ 6 ft. line cord	\$ 232.00	3 weeks	6.5
	ASTRO 20B075S-LC	110123-341	Astro-20BS bronze 3/4" sweat w/ 6 ft. line cord	\$ 238.00	3 weeks	6.5
	ASTRO 25B050S-LC	110123-342	Astro-25BS bronze 1/2" sweat w/ 6 ft. line cord	\$ 232.00	3 weeks	6.5
	ASTRO 25B075S-LC	110123-343	Astro-25BS bronze 3/4" sweat w/ 6 ft. line cord	\$ 238.00	3 weeks	6.5
	ASTRO 20BU-LC	110123-344	Astro 20BU 1 1/4" NPSM Union w/ 6 ft. line cord	\$ 240.00	3 weeks	7.5
	ASTRO 25BU-LC	110123-345	Astro 25BU 1 1/4" NPSM Union w/ 6 ft. line cord	\$ 245.00	3 weeks	7.5
	ASTRO 20BF-LC	110123-346	Astro 20BF circulator w/ 6 ft. line cord	\$ 238.00	3 weeks	8.5
	ASTRO 30B-LC	110123-348	Astro 30BF circulator w/ 6 ft. line cord	\$ 245.00	3 weeks	8.5
	ASTRO 50B-LC	110123-349	Astro 50BF circulator w/ 6 ft. line cord	\$ 258.00	3 weeks	8.5
	ASTRO 70B-LC	110123-350	Astro 70BF circulator w/ 6 ft. line cord	\$ 356.00	3 weeks	8.5

SERIES S & H - HYDRONIC CIRCULATORS

SERIES S & H				Construction			
				Bronze Fitted		All Bronze	
Model No.	Motor H.P	Flange Size*	Wt. (lbs)	Item No.	List Price	Item No.	List Price
S-25	1/12	Less Flgs	19	174031-013	\$ 325.00	174031-043	\$ 527.00
S-35	1/6	2"	38	174033-013	\$ 724.00	174033-043	\$ 1,201.00
S-45	1/4	Less Flgs See Note 4	45	174036-113	\$ 951.00	174036-143	\$ 1,700.00
S-46	1/3	3"	51	174037-113	\$ 1,378.00	174037-143	\$ 2,405.00
H-32	1/6	Less Flgs	30	174034-013	\$ 595.00	174034-043	\$ 944.00
H-41	1/6	1"	34	174035-113	\$ 779.00	174035-143	\$ 1,156.00
S-55-1	1/2 1PH	3"	82	106284-132	\$ 1,391.00	106284-133	\$ 2,383.00
S-55-3	1/2 3PH	3"	74	106284-136	\$ 1,391.00	106284-137	\$ 2,383.00
S-57-1	3/4 1PH	3"	82	106285-132	\$ 1,653.00	106285-133	\$ 2,617.00
S-57-3	3/4 3PH	3"	76	106285-136	\$ 1,653.00	106285-137	\$ 2,617.00
S-69-1	1 1PH	3"	130	116531-132	\$ 2,324.00	116532-133	\$ 3,875.00
S-69-3	1 3PH	3"	125	116535-136	\$ 2,324.00	116536-137	\$ 3,875.00

Notes:

- All circulators: Maximum Working Pressure 125psig
- Construction: Hydronic systems (225 degF max.) - Bronze Fitted construction. DHW - Use All Bronze Construction
- Bronze fitted construction includes non-ferrous impeller, impeller nut, and washer. (S69 is supplied with Bronze Impeller)
- S-45 flanges: **2.5" Iron (#105189-011) \$39.55 each** **2.5" Bronze (#105189-041) \$95.48 each**
3" Iron (#105188-011) \$39.55 each **3" Bronze (#105188-041) \$95.48 each**
- 1/2hp to 1hp single phase motors are 115/230V, 60 cycle and have built in thermal overload protection.
- Three phase motors are 208/230/460V, 60 cycle unless otherwise indicated and require separate overload protection.
- All circulator motors are ODP (Open Drip Proof) enclosure unless shown otherwise

CUSTOM MODELS

Model No.	Item No.	List Price
S-25 LV (universal)	110116-005	\$ 319.00
S-25 BF/BI	174031-113	\$ 432.00
S-25 AB/BI	174031-143	\$ 641.00
S-35 BF/BI	174033-113	\$ 886.00
S-35 AB/BI	174033-143	\$ 1,430.00
H-32 LV (universal)	110116-009	\$ 565.00
H-32 AB/BI	174034-143	\$ 1,127.00
H-32 BF TEFC 1/4HP-3-60	174034-033	\$ 1,138.00
H-32 AB TEFC 1/4HP-3-60	174034-063	\$ 1,526.00

SPECIAL FEATURES - SERIES "S" & "H"

Description (NCP Number Required)	List Adder
230 Volt, Single Phase, 60 Cycle, 1/4 or 1/3 H.P.	\$ 311.00
208-230/460 Volt, 3 Phase, 60 Cycle 1/4 or 1/3 H.P.	\$ 429.00
115/230 volt 1 phase 60 cycle, 1/4hp TEFC motor (H-32,S-35,H-41 only)	\$ 359.00
For S-25 to H-57 and H-32 to H-41:	
Alloy Steel Shaft (with S.S. Shaft Sleeve)	\$ 62.00
Stainless Steel Shaft (with S.S. Shaft sleeve)	\$ 209.00
1/2" Viton Seal (brass fitted)	\$ 102.00
For S-69 Circulators:	
Alloy Steel Shaft (with S.S. sleeve)	\$ 202.00
Stainless Steel Shaft (with S.S. shaft sleeve)	\$ 347.00
3/4" Viton Seal (brass fitted)	\$ 133.00

* Flanges- 10 per Pack

Model	Flange Size	Cast Iron	List / Pack	Bronze	List / Pack	Wt. (lbs.)
S-25	0.75"	110140-026	\$ 56.00	110140-027	\$ 169.00	5
S-25	1"	110140-024	\$ 56.00	110140-025	\$ 169.00	5
S-25	1.25"	110140-022	\$ 56.00	110140-023	\$ 169.00	5
S-25	1.5"	110140-020	\$ 56.00	110140-021	\$ 169.00	8
H-32	1"	110140-032	\$ 72.00	110140-033	\$ 225.00	10
H-32	1.25"	110140-028	\$ 72.00	110140-029	\$ 225.00	10
H-32	1.5"	110140-030	\$ 72.00	110140-031	\$ 225.00	12

SERIES S & H - HYDRONIC CIRCULATORS

Point of Purchase Displays for S&H Replacement Parts

These are NET prices - NO discounts are to be applied.

Part #	Display description	Price
110116-034	Floor display only	\$329.00
110116-035	Floor display w/ parts included	\$440.00
110116-029	Wall display only	\$162.00
110116-030	Wall display w/ parts included	\$273.00

HYDRONICS SPECIALTIES

TANK FITTINGS

Model	Item No.	List Price	Wt. (lbs)
TMA-24	213991-307	\$ 61.00	3
TMAL	216654-301	\$ 238.00	7

Note: TMA-9 to TMA-20 models have been replaced by TMA-24 model. TMA-24 is designed to be cut to size.

AIR CHARGERS AND TANK DRAIN

Model	Item No.	List Price	Wt. (lbs)
TDV-2	217110-300	\$ 102.00	2
TDV-2-18	217111-300	\$ 109.00	3

AUTOMATIC AIR VENTS

12 units/box

Model	Item No.	List Price	Wt. (lbs)
AVA - 013	272005-300	\$ 12.00	0.2
AVA - 025	272005-301	\$ 15.00	0.2
AVA - 038	272005-302	\$ 17.00	0.2
AVA - 050*	272005-303	\$ 23.00	0.2
AVA - 075**	272005-308	\$ 29.00	0.35
AVV - 038	272005-305	\$ 20.00	0.35
AVV - 050*	272005-306	\$ 25.00	0.35
AVV - 075**	272005-307	\$ 33.00	0.6

*with service check valve ** 1/2" FPT and 3/4" MPT adapter

MAID-O-MIST AIR VENTS (while quantities last)

Model	Item No.	List Price	Wt. (lbs)
71	272005-002	\$ 48.00	5 oz.
75	272005-003	\$ 60.00	8 oz.
72	272005-005	\$ 12.00	1 oz.
7A	272005-006	\$ 8.00	1 oz.
67	272005-004	\$ 19.00	8 oz.

FLO-CONTROL VALVES

Model	Item No.	List Price	Wt. (lbs)
Straight angle pattern			
FV-3/4-CI	216145-311	\$ 87.00	3
FV-1-CI	216146-311	\$ 87.00	3
FV-1-1/4-CI	216147-311	\$ 92.00	4
FV-1-1/2-CI	216148-311	\$ 128.00	8
FV-2-CI	216149-311	\$ 156.00	12
FV-2-1/2-CI	216391-311	\$ 339.00	22
FV-3	216392-311	\$ 390.00	24
Straight pattern			
FV-1-BRZ	218828-342	\$ 164.00	2.5

ONE PIPE TEES

12 units/box

Model	Item No.	List Price	Wt. (lbs)
CU-T 3/4X1/2	212947-142	\$ 23.00	4
CU-T 1X1/2	212948-142	\$ 23.00	6
CU-T 1X3/4	212949-142	\$ 23.00	6
CU-T 1-1/4X1/2	212950-142	\$ 24.00	8
CU-T 1-1/4X3/4	212951-142	\$ 24.00	8

DIAPHRAGM EXPANSION TANKS (Residential)

Model	Item No.	List Price	Wt. (lbs)
15	572018-001	\$ 115.00	5
30	572018-002	\$ 140.00	9
60	572018-003	\$ 281.00	14
90	572018-004	\$ 386.00	23
SX-30V	572018-005	\$ 417.00	25
SX-40V	572018-006	\$ 444.00	32
SX-60V	572018-007	\$ 618.00	45
SX-90V	572018-008	\$ 1,136.00	70
SX-110V	572018-009	\$ 1,338.00	92
SX-160V	572018-010	\$ 1,420.00	113

COMBINATION VALVE

Model	Item No.	List Price	Wt. (lbs)
C-11-U *	216945-300	\$ 122.00	3

STANDARD RELIEF VALVE

RL-11	216942-300	\$ 55.00	1.25
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PRESSURE REDUCING VALVES

RD-11-U*	216944-300	\$ 63.00	2
RD-40	207937-343	\$ 86.00	3.25
RD-50	207937-300	\$ 89.00	3.25
HRD-70	207936-300	\$ 86.00	3.25

* with fast fill feature

Aquastat

Model	Item No.	List Price	Wt. (lbs)
1/2"	110123-120	\$ 27.00	10 oz.
3/4"	110123-121	\$ 27.00	10 oz.

24 hour Mechanical Timer

(Domestic Hot Water Recirculation)

Model	Item No.	List Price	Wt. (lbs)
Analogue timer	110123-130	\$ 72.00	10 oz.

THERMOSTATIC MIXING VALVES

Model	Item No.	List Price	Wt. (lbs)
TMV-050T - 1/2"	272014-000	\$ 107.00	0.95
TMV-075T - 3/4"	272014-001	\$ 138.00	1.05
TMV-100T - 1"	272014-002	\$ 160.00	1.2
TMV-050S - 1/2"	272014-100	\$ 107.00	1.7
TMV-075S - 3/4"	272014-101	\$ 138.00	1.75
TMV-100S - 1"	272014-102	\$ 160.00	1.8

BACKFLOW PREVENTERS

Model	Item No.	List Price	Wt. (lbs)
BFP-050T - 1/2"	272012-000	\$ 51.00	1.2
BFP-075T - 3/4"	272012-001	\$ 51.00	1.2
BFP-050S - 1/2"	272012-100	\$ 51.00	1.2
BFP-075S - 3/4"	272012-101	\$ 51.00	1.2

HYDRONICS SPECIALTIES

AIR REMOVAL TRAPS

Model	Item No.	List Price	Wt. (lbs)
ART-433-1	572017-001	\$ 38.00	6
ART-444-1-1/4	572017-002	\$ 38.00	6
ART-445-1-1/2	572017-003	\$ 83.00	9
ART-446-2	572017-004	\$ 87.00	10
ART-447-2-1/2	572017-005	\$ 204.00	19
ART-448-3	572017-006	\$ 249.00	20

CIRCULATOR ISOLATION FLANGES

Model	Item No.	List Price	Wt. (lbs)
CIF-075T	110124-000	\$ 36.00	1.12
CIF-100T	110124-001	\$ 43.00	1.50
CIF-125T	110124-002	\$ 54.00	2.25
CIF-150T	110124-003	\$ 70.00	3.25
CIF-075S	110124-050	\$ 36.00	1.12
CIF-100S	110124-051	\$ 43.00	1.50
CIF-125S	110124-052	\$ 54.00	2.25
CIF-150S	110124-053	\$ 70.00	3.25

Note: Price includes 2 flanges and hardware (no gaskets)

H-51 to H-68 - 1050 and 1060

STOCK SIZES H-51 to H-68 Bronze Fitted Construction

Model No.	Motor H.P.	Flange Size	Wt. (lbs)	Single Phase		Three Phase	
				Item No.	List Price	Item No.	List Price
H-51*	1/4	1"	48	116431-132	\$ 918.00	110119-100	\$ 985.00
H-52*	1/3	1.25"	48	116435-132	\$ 998.00	110119-102	\$ 1,027.00
H-53*	1/2	1.5"	58	116439-132	\$ 1,158.00	116443-136	\$ 1,106.00
H-54*	3/4	2"	68	116451-132	\$ 1,242.00	116455-136	\$ 1,172.00
H-63	1/2	1.5"	86	116463-132	\$ 1,426.00	116467-136	\$ 1,398.00
H-64	3/4	1.5"	89	116475-132	\$ 1,628.00	116479-136	\$ 1,534.00
H-65	1	1.5"	92	116487-132	\$ 1,920.00	116491-136	\$ 1,759.00
H-66	3/4	2"	110	116499-132	\$ 2,014.00	116503-136	\$ 1,759.00
H-67	1	2"	115	116511-132	\$ 2,074.00	116515-136	\$ 1,906.00
H-68	1 1/2	2"	120	Refer to 2D 1060		116523-136	\$ 2,014.00

* Non Ferrous Impeller

Notes:

- Prices shown are for pumps complete with 60 cycle, 1750 RPM dripproof motors, companion flanges & construction as listed.
- Three phase motors are dual rate 60/50 cycle.
- Three phase motors are 208/230/460 or 575 volt, 60 cycle or 190/380/415 volt, 50 cycle. Specify on purchase order
- Single Phase motors - 1/4 HP and 1/3HP are 115 volt, 60 cycle. All other motors are 115/230 volt, 60 cycle.
- For special pump and motor construction or motor electrics other than listed above, consult the factory (NCP # required)
- For units 1 HP or greater, when ever 3 phase power is available, the use of single phase motors is not recommended.
- For All Bronze construction, see page 5. For All Iron construction, consult the factory

CUSTOM BUILT - SERIES 1050 and SERIES 1060 - Bronze Fitted Construction

Model No.	Motor H.P.	Wt. (lbs)	List Price		
			Single Phase		Three Phase
			Resilient Mount	Rigid Mount	208/230/460 Rigid Mount
1B*	1/4	48	\$ 879.00	X	\$ 929.00
	1/3	48	\$ 991.00	X	\$ 1,003.00
1-1/4B*	1/4	48	\$ 913.00	X	\$ 983.00
	1/3	48	\$ 1,014.00	X	\$ 1,029.00
	1/2	58	\$ 1,145.00	X	\$ 1,071.00
1-1/2B*	1/4	48	\$ 976.00	X	\$ 986.00
	1/3	48	\$ 1,014.00	X	\$ 1,053.00
	1/2	58	\$ 1,145.00	X	\$ 1,086.00
	3/4	75	\$ 1,229.00	X	\$ 1,156.00
2B	1/3	55	\$ 1,022.00	X	\$ 1,062.00
	1/2	72	\$ 1,145.00	X	\$ 1,071.00
	3/4	75	\$ 1,231.00	X	\$ 1,157.00
	1	80	\$ 1,598.00	X	\$ 1,430.00
1-1/2D	1/2	86	\$ 1,395.00	X	\$ 1,351.00
	3/4	90	\$ 1,540.00	X	\$ 1,483.00
	1	92	\$ 1,720.00	X	\$ 1,689.00
	1 1/2	115	X	\$ 2,221.00	\$ 1,819.00
2D	1/2	90	\$ 1,465.00	X	\$ 1,436.00
	3/4	96	\$ 1,673.00	X	\$ 1,627.00
	1	100	\$ 1,817.00	X	\$ 1,796.00
	1.5	120	X	\$ 2,256.00	\$ 1,958.00
	2	125	X	X	\$ 2,056.00

*1/4hp resilient mount single phase available 115V only

H-51 to H-68 - 1050 and 1060

CUSTOM BUILT - SERIES 1050 and SERIES 1060 - Bronze Fitted Construction

Model No.	Motor H.P.	Wt. (lbs)	List Price			
			Single Phase		Three Phase	
			Resilient Mount	Rigid Mount	208/230/460 Rigid Mount	
3D	1	135	X	\$ 2,591.00		\$ 2,313.00
	1 1/2	138	X	\$ 2,946.00		\$ 2,445.00
	2	143	X	X		\$ 2,563.00
	3	150	X	X		\$ 2,898.00

STOCK SIZES H-51 to H-68 - All Bronze Construction

Model No.	Motor H.P.	Flange Size	Wt. (lbs)	Single Phase		Three Phase	
				Item No.	List Price	Item No.	List Price
H-51*	1/4	1"	48	116432-133	\$ 1,674.00	110119-101	\$ 1,928.00
H-52*	1/3	1.25"	48	116436-133	\$ 1,780.00	110119-103	\$ 1,854.00
H-53*	1/2	1.5"	58	116440-133	\$ 1,955.00	116444-137	\$ 1,922.00
H-54*	3/4	2"	68	116452-133	\$ 2,111.00	116456-137	\$ 2,030.00
H-63	1/2	1.5"	86	116464-133	\$ 2,743.00	116468-137	\$ 2,713.00
H-64	3/4	1.5"	89	116476-133	\$ 2,907.00	116480-137	\$ 2,858.00
H-65	1	1.5"	92	116488-133	\$ 3,203.00	116492-137	\$ 3,087.00
H-66	3/4	2"	110	116500-133	\$ 3,201.00	116504-137	\$ 3,238.00
H-67	1	2"	115	116512-133	\$ 3,525.00	116516-137	\$ 3,351.00
H-68	1 1/2	2"	120	Refer to 2D 1060		116524-137	\$ 3,525.00

CUSTOM BUILT - SERIES 1050 - All Bronze Construction

Model No.	Motor H.P.	Wt. (lbs)	List Price			
			Single Phase		Three Phase	
			Resilient Mount	Rigid Mount	208/230/460 Rigid Mount	
1B*	1/4	48	\$ 1,493.00	X		\$ 1,516.00
	1/3	48	\$ 1,604.00	X		\$ 1,630.00
1-1/4B*	1/4	48	\$ 1,626.00	X		\$ 1,706.00
	1/3	48	\$ 1,731.00	X		\$ 1,755.00
	1/2	58	\$ 1,860.00	X		\$ 1,799.00
1-1/2B*	1/4	48	\$ 1,743.00	X		\$ 1,760.00
	1/3	48	\$ 1,781.00	X		\$ 1,837.00
	1/2	58	\$ 1,915.00	X		\$ 1,866.00
	3/4	75	\$ 2,005.00	X		\$ 1,939.00
2B*	1/3	55	\$ 1,833.00	X		\$ 1,882.00
	1/2	72	\$ 1,956.00	X		\$ 1,889.00
	3/4	75	\$ 2,043.00	X		\$ 1,978.00
	1	80	\$ 2,418.00	X		\$ 2,258.00

H-51 to H-68 - 1050 and 1060

CUSTOM BUILT - SERIES 1060 - All Bronze Construction

Model No.	Motor H.P.	Wt. (lbs)	List Price		
			Single Phase		Three Phase
			Resilient Mount	Rigid Mount	208/230/460 Rigid Mount
1-1/2D	1/2	86	\$ 2,616.00	X	\$ 2,585.00
	3/4	90	\$ 2,765.00	X	\$ 2,720.00
	1	92	\$ 3,048.00	X	\$ 2,933.00
	1 1/2	115	X	\$ 3,462.00	\$ 3,066.00
2D	1/2	90	\$ 2,864.00	X	\$ 2,848.00
	3/4	96	\$ 3,071.00	X	\$ 3,043.00
	1	100	\$ 3,381.00	X	\$ 3,217.00
	1 1/2	120	X	\$ 3,740.00	\$ 3,383.00
	2	125	X	X	\$ 3,487.00
3D	1	135	X	\$ 4,790.00	\$ 4,175.00
	1 1/2	138	X	\$ 4,650.00	\$ 4,303.00
	2	143	X	X	\$ 4,420.00
	3	150	X	X	\$ 4,729.00

SPECIAL FEATURES

LIST PRICE ADDITIONS	List Adder
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For Series 1050

Alloy Steel Shaft w/ stainless steel shaft sleeve	\$ 61.00
Stainless Steel shaft w/ S.S. Sleeve	\$ 204.00

For Series 1060

Alloy Steel Shaft w/ stainless steel shaft sleeve	\$ 209.00
Stainless Steel shaft w/ S.S. Sleeve	\$ 350.00
3/4" viton seal (brass fitted)	\$ 134.00

High Efficiency Motors Three Phase	List Adder
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For Series 1050 & 1060

1 hp/1750/60/3/208/230/460 ODP 84%	\$ 387.00
1.5 hp/1750/60/3/208/230/460 ODP 84%	\$ 383.00
2 hp/1750/60/3/208/230/460 ODP 84%	\$ 425.00
3 hp/1750/60/3/208/230/460 TEFC only	\$ 649.00

TEFC Motors Three Phase	List Adder
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For Series 1050 & 1060

1/2 hp/1750/60/3/208-230/460	\$ 257.00
3/4 hp/1750/60/3/208-230/460	\$ 293.00
1 hp/1750/60/3/208-230/460	\$ 329.00
1.5 hp/1750/60/3/208-230/460	\$ 365.00
2 hp/1750/60/3/208-230/460	\$ 370.00
3 hp/1750/60/3/208-230/460	\$ 404.00

SERIES 4270 MOTOR MOUNTED END SUCTION PUMPS WITH MOTORS

Standard Construction			Single Phase		Three Phase	
Pump Size	RPM	Motor H.P.	List Price	Wt. (lbs.)	List Price	Wt. (lbs.)
1.25 x 1 x 5	1800	1/3	\$ 600.00	36	N/A	X
		1/2	\$ 523.00	36	\$ 523.00	36
	3600	3/4	\$ 543.00	38	\$ 535.00	38
		1	\$ 616.00	40	\$ 597.00	40
		1 1/2	\$ 756.00	49	\$ 727.00	49
		2	\$ 866.00	51	\$ 837.00	51
		3	\$ 975.00	55	\$ 946.00	55

1.5 x 1.25 x 5.5	1800	1/3	\$ 619.00	36	N/A	X
		1/2	\$ 623.00	40	N/A	X
	3600	3/4	\$ 563.00	40	\$ 559.00	40
		1	\$ 637.00	42	\$ 616.00	42
		1 1/2	\$ 777.00	51	\$ 852.00	51
		2	\$ 889.00	53	\$ 857.00	53
		3	\$ 995.00	57	\$ 967.00	57
		5	\$ 1,189.00	62	\$ 1,202.00	62

2 x 1.5 x 5.5	1800	1/3	\$ 615.00	36	N/A	X
		1/2	\$ 619.00	40	N/A	X
	3600	3/4	\$ 562.00	42	\$ 579.00	42
		1	\$ 633.00	44	\$ 637.00	44
		1 1/2	\$ 767.00	53	\$ 770.00	53
		2	\$ 873.00	56	\$ 879.00	56
		3	\$ 976.00	60	\$ 987.00	60
		5	\$ 1,210.00	65	\$ 1,218.00	65

Bronze Body Construction			Single Phase		Three Phase	
Pump Size	RPM	Motor H.P.	List Price	Wt. (lbs.)	List Price	Wt. (lbs.)
1.25 x 1 x 5	1800	1/3	\$ 852.00	36	N/A	X
		3600	1/2	\$ 775.00	36	\$ 775.00
	3/4		\$ 795.00	38	\$ 788.00	38
	1		\$ 869.00	40	\$ 850.00	40
	1 1/2		\$ 1,013.00	49	\$ 983.00	49
	2		\$ 1,125.00	51	\$ 1,094.00	51
	3	\$ 1,235.00	55	\$ 1,205.00	55	

1.5 x 1.25 x 5.5	1800	1/3	\$ 944.00	36	N/A	X
		1/2	\$ 946.00	40	N/A	X
	3600	3/4	\$ 887.00	40	\$ 879.00	40
		1	\$ 961.00	42	\$ 941.00	42
		1 1/2	\$ 1,104.00	51	\$ 1,072.00	51
		2	\$ 1,214.00	53	\$ 1,185.00	53
		3	\$ 1,324.00	57	\$ 1,297.00	57
		5	\$ 1,571.00	62	\$ 1,531.00	62

SERIES 4270 MOTOR MOUNTED END SUCTION PUMPS WITH MOTORS

Bronze Body Construction			Single Phase		Three Phase	
Pump Size	RPM	Motor H.P.	List Price	Wt. (lbs.)	List Price	Wt. (lbs.)
2 x 1.5 x 5.5	1800	1/3	\$ 997.00	36	N/A	X
		1/2	\$ 997.00	40	N/A	X
	3600	3/4	\$ 945.00	42	\$ 934.00	42
		1	\$ 1,018.00	44	\$ 996.00	44
		1 1/2	\$ 1,162.00	53	\$ 1,128.00	53
		2	\$ 1,274.00	56	\$ 1,240.00	56
		3	\$ 1,383.00	60	\$ 1,351.00	60
		5	\$ 1,631.00	65	\$ 1,589.00	65

LIST ADDITION

Bronze impeller	\$ 27.00
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TEFC Motors	List Adder	Single Phase	List Adder
1/2hp/3600/3/60/208/230	\$ 91.00	1/2hp/3600/1/60/115/230	\$ 116.00
3/4hp/3600/3/60/208/230	\$ 95.00	3/4hp/3600/1/60/115/230	\$ 119.00
1hp/3600/3/60/208/230	\$ 58.00	1hp/3600/1/60/115/230	\$ 82.00
2hp/3600/3/60/208/230	\$ 64.00	2hp/3600/1/60/115/230	\$ 88.00
3hp/3600/3/60/208/230	\$ 78.00	3hp	N/A

*Seal Flush Line:	\$ 44.00
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*Required when pump is mounted vertically

NOTES:

- Motors are ODP, 60 Hertz and 56J Frame with 416 stainless steel shaft.
- Available Voltages:
 Single Phase: 115/230 (3hp & 5 hp only available in 230 volt)
 Three Phase: 208-230/460, 575
- Pump Construction:
 Volute - cast iron (Standard Construction) or bronze (Bronze Volute)
 Impeller - ULTEM
- Bronze (Price Adder)
 Seal - John Crane Type 21 or Viton available
 Faceplate - Stainless Steel
- Maximum Working Pressure - 150psi
- Maximum Temperature - 275 deg. F

4270 STANDARD PUMP PROGRAM

STOCK MODEL	4270 Model	Impeller Size	HP-RPM-PH	Wt. (lbs)	PEI (ULTEM) Impeller		Bronze Impeller	
					Part Number	List Price	Part Number	List Price
701S	1.25 X 1	3.5"	1/3-3500-1	36	410133-200	\$ 514.00	410133-240	\$ 545.00
701T	1.25 X 1	3.5"	1/3-3500-3	36	410133-300	\$ 514.00	410133-340	\$ 545.00
702S	1.25 X 1	3.5"	1/2-3500-1	36	410133-201	\$ 559.00	410133-241	\$ 591.00
702T	1.25 X 1	3.5"	1/2-3500-3	36	410133-301	\$ 559.00	410133-341	\$ 591.00
703S	1.25 X 1	4"	3/4-3500-1	38	410133-202	\$ 580.00	410133-242	\$ 612.00
703T	1.25 X 1	4"	3/4-3500-3	38	410133-302	\$ 571.00	410133-342	\$ 604.00
704S	1.25 X 1	4.375"	1-3500-1	40	410133-203	\$ 659.00	410133-243	\$ 693.00
704T	1.25 X 1	4.375"	1-3500-3	40	410133-303	\$ 634.00	410133-343	\$ 667.00
705S	1.25 X 1	4.875"	1.5-3500-1	49	410133-204	\$ 805.00	410133-244	\$ 842.00
705T	1.25 X 1	4.875"	1.5-3500-3	49	410133-304	\$ 775.00	410133-344	\$ 811.00
706S	1.5 X 1.25	5"	2-3500-1	49	410134-200	\$ 947.00	410134-240	\$ 992.00
706T	1.5 X 1.25	5"	2-3500-3	49	410134-300	\$ 913.00	410134-340	\$ 957.00
707S	2 X 1.5	4"	1.5-3500-1	53	410135-200	\$ 849.00	410135-240	\$ 892.00
707T	2 X 1.5	4"	1.5-3500-3	53	410135-300	\$ 821.00	410135-340	\$ 863.00
708S	2 X 1.5	4.375"	1.5-3500-1	53	410135-201	\$ 849.00	410135-241	\$ 892.00
708T	2 X 1.5	4.375"	1.5-3500-3	53	410135-301	\$ 821.00	410135-341	\$ 863.00
709T	2 X 1.5	4.5"	2-3500-3	56	410135-302	\$ 936.00	410135-342	\$ 981.00
7010T	2 X 1.5	5"	3-3500-3	60	410135-303	\$ 1,053.00	410135-343	\$ 1,100.00
7011T	2 X 1.5	5.5"	5-3500-3	65	410135-304	\$ 1,167.00	410135-344	\$ 1,216.00

Notes:

Prices shown above cover units supplied as follows:

Open Drip Proof motors

Bronze fitted construction with cast iron volutes

Suffix "S" indicates Single phase 115/230 volt motor

Suffix "T" indicates Three phase 208-230/460 volt motor

4270 Kit Pricing (Cast Iron Volute Only)

4270 Model	Impeller Size	PEI (ULTEM) Impeller		Bronze Impeller	
		Module No.	List	Module No.	List
1 1/4" x 1"	5"	410133-900	\$ 216.00	410133-940	\$ 252.00
1 1/2" x 1 1/4"	5"	410134-900	\$ 216.00	410134-940	\$ 258.00
2" x 1 1/2"	5.5"	410135-900	\$ 216.00	410135-940	\$ 258.00

RAYPAK TIP BOILER PARTS

Part No.	Description	List Price
816706-023	1/2" Viton Seal	\$ 30.00
106158-000	Body Gasket	\$ 1.42
807436-000	Coupler 1/2 x 1/2" (1/3hp motor)	\$ 39.00
806137-000	Coupler 1/2 x 5/8" (1/2hp motor)	\$ 49.00
816141-002	Resilient Mount Motor - 1/3hp/1750/60/1/115 - 2B1050 only	\$ 550.00
811757-001	Resilient Mount Motor - 1/2hp/1750/60/1/115/208/230 - 2B1050 only	\$ 505.66
816032-003	Universal SBA with Viton Seal - 2B1050 only	\$ 305.00
814910-001	Stub Shaft (1.5 B 4260 only)	\$ 110.00
816304-317	**Noryl Impeller (impeller diameter to be specified at time of order)	\$ 166.36
816304-047	Bronze Impeller (impeller diameter to be specified at time of order)	\$ 236.54

** Noryl Impeller replaces the 828286-045 Bronze Impeller

REPLACEMENT PUMPS (LESS VOLUTE) - WITH VITON SEAL

Part No.	Description	Impeller used		List Price
		Part No.	Trimmed to:	
110108-675	1050 2b-ab lv viton seal / noryl impeller c/w 1/3hp/1750/60/1/115	816304-317	4.375" od	\$ 709.00
110108-777	1050 2b-ab lv viton seal / fabricated bronze impeller c/w 1/3hp/1750/60/1/115	816304-047	4.25" od	\$ 790.00
110108-677	1050 2b-ab lv viton seal / noryl impeller c/w 1/2hp/1750/60/1/115/208-230	816304-317	4.5" od	\$ 798.00
110108-679	1050 2b-ab lv viton seal / fabricated bronze impeller c/w 1/2hp/1750/60/1/115/208-230	816304-047	4.25" od	\$ 880.00
110108-717	1050 2b-ab lv viton seal / noryl impeller c/w 3/4hp/1750/60/1/115/208-230	816304-317	4.5" od	\$ 822.00
110108-817	1050 2b-ab lv viton seal / fabricated bronze impeller c/w 3/4hp/1750/60/1/115/208-230	816304-047	4.25" od	\$ 905.00
110108-680	1050 2b-ab lv / viton seal (less impeller) c/w 1/2hp/1750/60/1/115/208-230	N/A	N/A	\$ 676.00

REPLACEMENT SEAL BEARING ASSEMBLIES WITH VITON SEAL

Part No.	Description	Impeller used		List Price
		Part No.	Trimmed to:	
110108-393	5 Series SBA with 4.25" fabricated bronze impeller & coupler	816304-047	4.25"	\$ 461.00
110108-394	5 Series SBA with 4.5" noryl impeller & coupler	816304-317	4.5"	\$ 398.00
816999-097	Shaft & bearing module with Viton Seal kit	N/A	N/A	\$ 160.00