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Hydronic Circulating Pumps



Horsepower	Voltage	Maximum Flow Rate @ 5 Feet of Head	Maximum Flow Rate @ 10 Feet of Head	Maximum Flow Rate @ 15 Feet of Head	Maximum Feet of Head	Face to Face Dimension	Compatible Pipe Size	Flange or Union Included	No. of Speeds	Series	Mfr. Model	Item No.
Multi-Speed Hydronic Circulating Pumps												
ARMSTRONG PUMPS INC. Single Phase												
1/8	115V AC	14 gpm	9 gpm	3 gpm	18 ft	6 3/8"	1 1/4"	Yes	3	Astro 230C	110223-305	32UN13
1/8	115V AC	18 gpm	11 gpm	7 gpm	24 ft	6 3/8"	1 1/4"	Yes	3	Astro 250C	110223-307	52CE09
1/8	115V AC	28 gpm	24 gpm	19 gpm	31 ft	6 1/2"	1 1/4"	Yes	3	Astro 280C	110223-320	32UN04
3/16	115V AC	46 gpm	28 gpm	—	14 ft	8 1/2"	2 1/2"	Yes	3	Astro 290C	110223-328	32UN08
3/16	240V AC	28 gpm	24 gpm	19 gpm	31 ft	6 1/2"	1 1/4"	Yes	3	Astro 280C	110223-322	32UN05
BELL & GOSSETT Single Phase												
1/16	115V AC	18 gpm	12 gpm	5 gpm	18 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	3	NRF-25	103417	3NVG3
1/16	115V AC	33 gpm	28 gpm	24 gpm	33 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	3	NRF-36	103400	3NVG4
1/16	115V AC	39 gpm	31 gpm	23 gpm	28 ft	8 1/2"	1", 1 1/4", 1 1/2"	No	3	NRF-45	103404	3NVG5
TACO Single Phase												
1/8	115V AC	30 gpm	26 gpm	21 gpm	33 ft	6 1/2"	3/4", 1", 1 1/4", 1 1/2"	No	3	0013	0013-MSF2-IFC	44ZD45
Energy Efficient Hydronic Circulating Pumps												
ARMSTRONG PUMPS INC. Single Phase												
1/16	115V AC	15 gpm	10 gpm	5 gpm	20 ft	6 1/2"	1"	Yes	Variable	Compass H20-20	180203-686	32UN20
1/16	115V AC	15 gpm	10 gpm	5 gpm	20 ft	6 1/2"	1 1/2"	No	Variable	Compass H20-20	180203-687	52CE19
TACO Single Phase												
1/25	115V AC	12 gpm	8 gpm	5 gpm	18 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	Variable	0015E	VM1816-HY2-FC2A00	53VF89
1/10	240V AC	320 gpm	275 gpm	240 gpm	38 ft	14 3/16"	3"	Yes	Variable	00E VR	VR30-3	48SA35
1/2	115/240V AC	165 gpm	125 gpm	95 gpm	41 ft	11"	2"	Yes	Variable	00E VR	VR20M-F	39L623



Potable Circulating Pumps

Potable circulating pumps move hot water through pipe systems to faucets and shower heads. These pumps are certified for potable water and are constructed of bronze, stainless steel or brass to prevent corrosion. Their gold color helps identify them as potable water pumps. They reduce water waste by recirculating hot water that has cooled back into the cold water supply line. Pumps are used in residential, commercial, and industrial applications to help plumbing systems deliver instant hot water. They mount to the pipe in-line near the water heater or boiler, except under-sink units mount at the farthest faucet from the water heater. 3-phase pumps do not have overload protection, which must be provided by a starter unit sold separately, see page 160.

Standard pumps have fewer replaceable wear parts than 3-piece circulating pumps.

3-piece pumps have a detachable pump, motor, and bearing assembly to aid maintenance and replacement needs. They are capable of handling higher head

and flow rates than standard pumps. In most cases, these pumps can be left in place while serviced which reduces system downtime.

Multi-speed pumps have three speeds that can be manually changed to meet different performance levels. Pump performance needs can change based on the configuration of a plumbing system or to meet periods of low and high demand. They work well as a replacement pump because they can match the performance of most standard circulating pumps.

Energy efficient pumps use less energy than other circulating pumps. They have an electronically commutated motor (ECM) that automatically adjusts the flow rate through variable speed control to meet hot water demand.

Under-sink pumps pull hot water from the heating source through the pipes to provide instant hot water for all faucets between the water heater and the pump. They can be used where a dedicated water return line is not available.

Horsepower	Voltage	Maximum Flow Rate @ 5 Feet of Head	Maximum Flow Rate @ 10 Feet of Head	Maximum Flow Rate @ 15 Feet of Head	Maximum Feet of Head	Face to Face Dimension	Compatible Pipe Size	Flange or Union Included	No. of Speeds	Pump Housing Material	Series	Mfr. Model	Item No.
Standard Potable Circulating Pumps													
ARMSTRONG PUMPS INC. Single Phase													
1/8	115V AC	38 gpm	32 gpm	26 gpm	28 ft	8 1/2"	1 1/2"	Yes	1	Bronze	E10.2B	182202-650	32UN17
3/8	115V AC	76 gpm	72 gpm	64 gpm	36 ft	8 1/2"	1 1/2"	Yes	1	Bronze	E23.2B	182212-652	32UM86
3/8	115V AC	112 gpm	95 gpm	74 gpm	22 ft	8 1/2"	2"	Yes	1	Bronze	E30.2B-2	182212-646	32UM90
BELL & GOSSETT Single Phase													
1/40	115V AC	10 gpm	3 gpm	—	12 ft	6 1/8"	1/2", 3/4"	No	1	Bronze	NBF-12U/LW	103261LF	5JPA9
1/40	115V AC	15 gpm	8 gpm	0 gpm	15 ft	6 1/8"	1/2", 3/4"	No	1	Bronze	NBF-22U	103255LF	5JPC1
1/25	115V AC	15 gpm	8 gpm	0 gpm	15 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Bronze	NBF-22	103252LF	5JPC0
1/12	115V AC	25 gpm	20 gpm	15 gpm	25 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Bronze	PL-30B	1BL013LF	5JPC2
1/12	115V AC	37 gpm	34 gpm	30 gpm	37 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Bronze	PL-36B	1BL003LF	5JPC3
1/8	115V AC	45 gpm	43 gpm	33 gpm	31 ft	8 1/2"	1", 1 1/4", 1 1/2"	No	1	Bronze	PL-45B	1BL004LF	5JPC4
1/8	115V AC	50 gpm	40 gpm	20 gpm	17 ft	8 1/2"	1", 1 1/4", 1 1/2"	No	1	Bronze	PL-50B	1BL017LF	5JPC5
TACO Single Phase													
1/40	240V AC	7 gpm	0 gpm	—	10 ft	4 1/4"	1/2"	—	1	Bronze	006	006-BC8Y	13L286
1/40	115V AC	7 gpm	0 gpm	—	10 ft	4 3/8"	3/4"	—	1	Bronze	006	006-B4-14	4YVF8
1/40	240V AC	7 gpm	0 gpm	—	10 ft	4"	3/4"	—	1	Stainless Steel	006	006-ST8Y	13L287
1/40	115V AC	7 gpm	0 gpm	—	10 ft	4 3/8"	3/4"	—	1	Bronze	006	006-B4-15	4YVF5
1/40	115V AC	7 gpm	0 gpm	—	10 ft	4"	3/4"	—	1	Stainless Steel	006	006-ST4-1	3GZW3
1/55	115V AC	11 gpm	—	—	9 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	005	005-SF2	3GZW2
1/55	240V AC	12 gpm	8 gpm	0 gpm	15 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	008	008-SF6	3GZW5
1/25	115V AC	12 gpm	8 gpm	2 gpm	16 ft	6 3/8"	3/4"	—	1	Bronze	008	008-BC6	4YVF6
1/25	115V AC	12 gpm	8 gpm	0 gpm	15 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	008	008-SF6	3GZW5
1/25	115V AC	15 gpm	0 gpm	—	10 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	007	007-SF5	3GZW9
1/10	115/240V AC	18 gpm	14 gpm	14 gpm	22 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	2400-10	2400-10S-3P	5CHK0
1/10	115V AC	9 gpm	8 gpm	7 gpm	35 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	009	009-SF5	3GZW1
1/8	115V AC	25 gpm	19 gpm	—	10 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	0010	0010-SF3-IFC	3GZW4
1/8	115V AC	27 gpm	23 gpm	18 gpm	31 ft	6 1/2"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	0014	0014-SF1	3GZW8
1/8	115V AC	39 gpm	24 gpm	0 gpm	15 ft	8 1/2"	1 1/2"	—	1	Stainless Steel	0012	0012-SF4	3GZW6
1/8	115V AC	30 gpm	26 gpm	21 gpm	33 ft	6 1/2"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	0013	0013-SF3	3GZW7
1/6	115/240V AC	—	30 gpm	24 gpm	29 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	2400-20	2400-20S-3P	5CHK2
1/6	115/240V AC	—	38 gpm	30 gpm	27 ft	8 1/2"	1 1/4", 1 1/2"	No	1	Stainless Steel	2400-30	2400-30S-3P	5CHK4
1/2	115/240V AC	—	—	—	46 ft	6 3/8"	3/4", 1", 1 1/4", 1 1/2"	No	1	Stainless Steel	2400-50	2400-50S-3P	5CHK8
3-Piece Potable Circulating Pumps													
ARMSTRONG PUMPS INC. Single Phase													
1/8	115V AC	—	28 gpm	—	14 ft	8 1/2"	1", 1 1/4", 1 1/2"	No	1	Bronze	H-32	174034MF-043	52CE17
1/2	115V AC	95 gpm	85 gpm	75 gpm	28 ft	11 1/2"	1 1/2"	Yes	1	Bronze	H-53	116440MF-133	52CE11
3/4	115/240V AC	95 gpm	85 gpm	80 gpm	46 ft	13 1/2"	1 1/2"	Yes	1	Bronze	H-64	116476LF-133	32UM82

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