

PUMPS

Flexible-Impeller Pumps & Accessories

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Details on page A1.



For additional spray components and accessories, see page 1591.



HP†	Voltage	Amps	Inlet/Outlet (in.)	NEMA Motor Frame	Seal	Impeller Material	GPM of Water Total ft. of Head 10	GPM of Water @ 30	Max. Head (ft.)	Max. Pressure (psi)	Suction Lift (ft.)	Max. SSU @ 1725 rpm*	Brand	Mfr. Model	Item No.
Pump w/Motor															
304 Stainless Steel															
1/8 hp	115/230	9.4/4.7	1/2 NPT x 3/4 GHT	56YZ			7.1 gpm	6.1 gpm	76	32.9 psi	10	5,000 SUS	Dayton	3ACC4	3ACC4
1/4 hp	115/230	11.2/5.6	3/4 NPT	56YZ	Nitrile Lip	Nitrile	11.9 gpm	9.6 gpm	80	34.6 psi	10	5,000 SUS	Dayton	3ACC5	3ACC5
3/4 hp	115/230	14.0/7.0	1 NPT	56YZ			20.6 gpm	17.8 gpm	80	34.6 psi	10	5,000 SUS	Dayton	3ACC6	3ACC6
1 hp	115/230	14.4/7.2	1 1/4 NPT	56YZ			25 gpm	22 gpm	85	36.7 psi	10	5,000 SUS	Dayton	3ACC7	3ACC7
1 1/2 hp	115/230	18.6/9.3	1 1/2 NPT	56YZ			28 gpm	22 gpm	92	39.8 psi	10	5,000 SUS	Dayton	3ACC8	3ACC8
Brass															
1/8 hp	115/230	9.4/4.7	1/2 NPT x 3/4 GHT	56YZ			7.1 gpm	6.1 gpm	76	32.9 psi	10	5,000 SUS	Dayton	3AB24	3AB24
3/4 hp	115/230	13.5/6.7	1 NPT	56YZ	Nitrile Lip	Nitrile	23 gpm	20.7 gpm	86	37.2 psi	16-20 Dry, 20-22 Wet	5,000 SUS	Dayton	3ACC1	3ACC1
1 hp	115/230	11.0/5.5	1 1/4 NPT	56YZ			25 gpm	22 gpm	85	36.7 psi	10	5,000 SUS	Dayton	3ACD3	3ACD3
1 1/2 hp	115/230	18.6/9.3	1 1/2 NPT	56YZ			28 gpm	22 gpm	92	39.8 psi	10	5,000 SUS	Dayton	3ACD4	3ACD4
Bronze															
1/8 hp	115/230	7.2/3.6	1/2 NPT x 3/4 GHT	56YZ	Nitrile Lip	Nitrile	9.6 gpm	6.8 gpm	50	21.6 psi	16-20 Wet, 20-22 Wet	5,000 SUS	Dayton	3ACB9	3ACB9
1/4 hp	115/230	11.2/5.6	3/4 NPT	56YZ			11.9 gpm	9.6 gpm	80	34.6 psi	10	5,000 SUS	Dayton	3AB25	3AB25
3/4 hp	115/230	14.0/7.0	1 NPT	56YZ			20.6 gpm	17.8 gpm	80	34.6 psi	10	5,000 SUS	Dayton	3AB26	3AB26
Epoxy															
1/2 hp	115	8.2	1/2 (F)NPT	56C		Nitrile	11.3 gpm	9 gpm	48	21 psi	12-15 Dry, 18-22 Wet	2,500 SUS	Jabscos	17430-7000	4UL34



Self-Priming Flexible-Impeller Pumps

Replaceable impellers. No metal-to-metal contact. Excellent for fluid transfer, spraying, lawn/garden applications, filter systems, water drainage, and machine/equipment coolant recycling.

Note: Not to be run in a dry condition.

Dayton—Can be used with nonabrasive fluids in a wide range of commercial, industrial, and agricultural applications. Bronze pedestals can be easily installed with a capacitor-start electric motor with sufficient starting torque.

- Max. temp.: 180°F
- 1725 rpm motors (3ACA9 to 3ACB2 do not include motors)

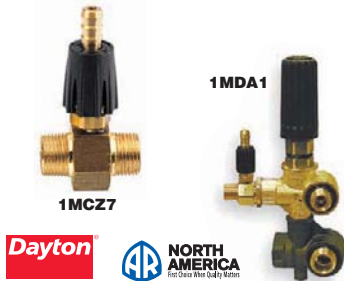
Jabscos—Replaceable Viton impellers handle more-corrosive liquids.

- Max. temp.: 176°F
- 316 stainless steel and stainless steel, 180°F epoxy
- 1750 rpm 316 stainless steel, 3000 rpm epoxy and stainless steel

HP†	Inlet/Outlet (in.)	Seals	Impeller	GPM of Water @ 10 ft. of Head	GPM of Water @ 10 ft. of Head	Max. Head (ft.)	Max. Pressure (psi)	Max. SSU @ 1725 rpm*	Brand	Mfr. Model	Item No.
Pump Head, Close Coupled											
Bronze and Brass											
1/8 hp	1/2 NPT	Carbon, Ceramic	Nitrile	5.5 gpm	4.8 gpm	70	30.3 psi	5,000 SUS	Dayton	3ACA9	3ACA9
3/4 hp	3/4 NPT			11.5 gpm	10.6 gpm	80	34.6 psi	5,000 SUS	Dayton	3ACB1	3ACB1
1 hp	1 NPT			19.6 gpm	18 gpm	85	36.7 psi	5,000 SUS	Dayton	3ACB2	3ACB2

* Pedestal flow based at 1725 rpm, at stated horsepower. † Recommended HP.

For Use With	Brand	Item No.	For Use With	Brand	Item No.	For Use With	Brand	Item No.
Replacement Flexible Impeller			Nitrile			Nitrile		
EPDM			3ACA4, 3ACA5, 3ACA6, 3ACA7, 3ACA8	Dayton	3ACD9	3AB24	Dayton	3AB27
4UL38	Jabscos	2XE60	3ACA9	Dayton	3ACB3	3AB25	Dayton	3AB28
Neoprene			3ACB1	Dayton	3ACB4	3AB26	Dayton	3AB29
Mfr. No. 30510-7000	Jabscos	2XE55	3ACB2	Dayton	3ACB5	3ACB9	Dayton	3ACC2
Mfr. No. 30520-7000	Jabscos	2XE57				3ACC1	Dayton	3ACC3
Viton			Replacement Impeller/Sleeve Assembly					
4UL37	Jabscos	2XE56	Neoprene			3ACC4	Dayton	3ACC3
Mfr. No. 17430-7000	Jabscos	2XE54	3AB24	Dayton	3ACA1	3ACC5	Dayton	3ACE4
Mfr. No. 30520-7000	Jabscos	2XE59	3AB25	Dayton	3ACA2	3ACC6	Dayton	3ACB9
Replacement Impeller								
Neoprene			3AB26	Dayton	3ACA3	3ACC7	Dayton	3ACD1
3ACA9	Dayton	3ACB6	3ACB9	Dayton	3ACE1	3ACD3	Dayton	3ACD5
3ACB1	Dayton	3ACB7	3ACC1	Dayton	3ACE2			
3ACB2	Dayton	3ACB8	3ACD3	Dayton	3ACD7			



High-Pressure Pump Accessories

Adjustable Chemical Injectors—In-line, corrosion-resistant injectors can be mounted downstream, after the pressure pump and regulating valve, to inject liquid detergents or cleaning agents. Intended for use with a double lance, rollover nozzle, or quick-connect nozzle. Brass, stainless steel, and ceramic construction with Buna N seals.

High-Pressure and Regulating Unloader Valves—Protect pump and system components from surge shock damage that can occur when spray guns are shut off at high pressure. Brass and stainless steel construction with Buna N seals.

Inlet Water Filter—Machined aluminum filter assures a clean water stream for any high-pressure pump. Filter is 50 mesh.

Regulating Pressure Relief Valve—Bypasses the required amount of water to maintain constant system pressure at all times, whether spray gun is open or closed. Brass and 300 stainless steel construction with Buna N seals.

Regulating Valves—Protect pumping systems from excess pressure. Brass bodies. Wetted materials: brass, stainless steel, Buna N, plastic, and steel on valves with male outlets; brass, stainless steel, Buna N, and steel on valves with female outlets.

1MDA1 and 1MDA2 have a bolt-on design with internal bypass system. 1MDA1 fits pumps 4WXV7 to 4WXV9 and 4WXW1 to 4WXW6. 1MDA2 fits pumps 4WXX5, 4WXW6, 5ZNT5 to 5ZNT7, 5ZNT9, 5ZNU0, and 5ZNU1.

1MDA3 and 1MDA4 feature a 1/4" accessory port.

Safety Valve—For use as a secondary safety device to help keep pump and system pressure from reaching dangerous levels; must always be used with a pressure regulator or unloader. Adjustable range: 1000 to 4000 psi. 3/4" hose barb discharge. Brass and 400 stainless steel construction with Delrin seals.

Thermal Valve—Maintains a max. water temp. of 140°F to protect pump from possible heat damage while in bypass mode. Brass construction with Buna N seals.

Water Check Valves—Brass and stainless steel construction with Buna N seals. Can be mounted in a vertical or horizontal position.

Size	Flow	Max. Water Pressure	L	W	Brand	Item No.
Water Check Valve						
1/4 in	6.6 gpm	4500 psi	2 1/8 in	1/2 in	Mecline	20FV59
3/8 in	10.5 gpm	5800 psi	2 1/4 in	1 1/8 in	Mecline	20FV60
1/2 in	21 gpm	5800 psi	3 1/2 in	1 1/2 in	Mecline	20FV61

Description	Inlet Port (in.)	Outlet Port (in.)	Bypass Port (in.)	Flow Range (gpm)	Max. Pressure (psi)	H (in.)	Max. Fluid Temp. (°F)	Brand	Item No.
Adjustable Chemical Injector	3/8 M	3/8 M	—	2 to 3	4,500 psi	3	200 F	Dayton	1MCZ7
	3/8 M	3/8 M	—	3 to 4	4,500 psi	3	200 F	Dayton	1MCZ8
	3/8 M	3/8 M	—	4 to 5.5	4,500 psi	3	200 F	Dayton	1MCZ9
High Pressure Unloader Valve	3/8 (M)NPT	3/8 NPT(M)	3/8 (F)NPT	0.5 to 8	2,900 psi	3 5/8	194 F	Mecline	20FV57
	1/2 (F)NPT	1/2 NPT(H)	1/2 (F)NPT	2.5 to 26.4	4,800 psi	8 1/4	194 F	Mecline	20FV58
Inlet Water Filter	3/4 Garden Hose Thread	1/2 M	1/4 F	8	100 psi	2 1/9	—	Dayton	19C694
Regulating Pressure Relief Valve	3/8 F	3/8 F	3/8 F	0 to 6.3	4,060 psi	4 3/8	194 F	A.R. North America	5JKL1
Regulating Unloader Valve	3/8 F	3/8 F	—	0 to 7.8	3,650 psi	6 3/4	190 F	Dayton	1MPP2
	1/2 F	3/8 M	—	2 to 3	2,600 psi	7 1/2	190 F	Dayton	1MDA1
	1/2 F	3/8 M	—	3 to 5.5	3,650 psi	8 1/8	190 F	Dayton	1MDA2
Regulating Valve	3/8 F	3/8 F	(2) 3/8 F	0 to 10.5	3,650 psi	6 3/4	190 F	Dayton	1MDA3
	3/8 F	3/8 F	(2) 3/8 F	0 to 10.5	4,500 psi	6 3/4	190 F	Dayton	1MDA4
	3/8 F	3/8 M	3/8 F	0 to 9	5,000 psi	8 1/8	190 F	Dayton	1MDA5
Safety Valve	3/8 M	—	—	0 to 6	4,000 psi	2	200 F	Dayton	1MDA7
Thermal Valve	1/2 M	—	—	—	200 psi	1 3/4	140 F	Dayton	1MDA6