

Air-Driven Liquid Pumps



Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
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Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

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Липецк (4742)52-20-81

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Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Россия (495)268-04-70

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Казахстан (772)734-952-31

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

.33 hp (.25 kW) M Series Pump Models



Key Features

- Choice of 5 models, 9 ratios, 27 possible combinations
- Flows to 2 gpm (7.5 l/min)
- Choice of wetted materials
- Single air head
- Drive pressure 25 to 125 psi (1.8 to 9 bar)
- Pressures to 25000 psi (1724 bar)
- All Hydraulic fluids, water (plain or DI), solvents, mild chemicals, liquefied gases

Optional Modifications

Number	Description
-HP	Hand pump attachment (with handle). Provides manual operation of pump for precision pressure control or use without air power.
26082	Handle only.
26220-2	With handle.
26220-3	Without handle.
	Kits for converting existing units.
-V	Manual release with relief valve. For M and MS pumps only. Provides high pressure needle valve with internal adjustable safety relief downstream of pump outlet checks. Tank return is 1/8" NPT in pump body.
26063-3	Dead Man valve. 1/4" NPT port.
26064-3	Combination air regulator/filter with gauge. 1/4" NPT port.
26065-3	Speed control valve. 1/4" NPT port.
26065-3 plus 26064-3	-C air controls installed on pump. 1/4" NPT port.
28320	Manifold mount inlet port. Provides O-ring boss in aluminum block to enable mounting on side of tank below oil level. Modification applies to M-21 through M-188 only.
28590	Palm or foot start/stop button drive. Spring loaded shut.
28700-1	Air OP release valve.
28926	Remote start/stop control. Provides 1/8" NPT bleed signal port for single line remote control.
29002	Viton air drive.
29697	Single stroke from remote air pulse. Useful for metering applications. One stroke per air pulse signal; eliminates automatic cycling. 1/8" NPT signal port.
51331	EPR seals for liquid section for 29723-XX ratio pumps.
51788	Piped exhaust – standard. Provides connection ports for drive and pilot exhausts. Enables under tank top mounting and/or natural gas drive.
51794	Piped exhaust – sour gas. With hand pump (HP).
51794-2	Piped exhaust – sour gas. Without hand pump (HP).
51804	Muffler (for use with piped exhaust modifications below). 1/4" NPT male port.

Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
M, MDSTV	-5	625 psi (43 bar)	.83 cu in (13.6 ml)
M, MS ⁽³⁾	-7 -12	900 psi (62 bar) 1500 psi (103 bar)	.6 cu in (9.8 ml) .36 cu in (5.9 ml)
M, MS ⁽³⁾ , 29723 ^{(3)**}	-21 -36 -71 -110 -188	2600 psi (179 bar) 4500 psi (310 bar) 8800 psi (607 bar) 13500 psi (931 bar) 15000 psi (1034 bar)	.2 cu in (3.3 ml) .12 cu in (2.0 ml) .06 cu in (1.0 ml) .039 cu in (0.6 ml) .023 cu in (.4 ml)
MS	-220	25000 psi (1723 bar)	.021 cu in (.34 ml)

** Not available in 188 ratio

(3) Maximum intermittent pressure for stainless steel in the MS and 29723 is 10000 psig (690 bar.)

For service codes, see page 17.

For weights and dimensions, see page 18.

Number	Description
51809	Normally open air operated release with relief valve. Provides highest release flow capacity. Will hold full pump psi piloted from drive air. Vents are not threaded. Ref. drawing 56643 for tank top mounting parts.
51809-1	Normally closed air operated release with relief valve. Used to hold hydraulic jacks. Will release up to 11000 psi (using 100 psi air). Vents are not threaded. Ref. drawing 56643 for tank top mounting parts. Not available in 188:1 ratio.
51810	Safety relief valve. Relief is upstream of outlet check. Vent hole 1/16 NPT M or MS series -21 through 188.
51811	External air pilot. Provides 1/8" NPT port for external air to pilot for remote start/stop.
52340	Solid air cap.
52950	Electric stroke counter provision. Micro switch (BZE6-2RQ) mounted on upper cap trips with each cycle.
53175	Level II cleaning.
53304	High pressure outlet port. Fits 1/4" O.D. high pressure threaded and coned tube.
53784	Piped exhaust (drive only). For field conversion of any .33 HP pump. Provides 1/4" NPT exhaust port.
53935	Low temperature drive. Enables operation down to 5°F. Some sacrifice of seal life at normal temperature. M or MS series.
54179	Stroke adjuster (includes 29697 above). Useful for metering applications. Knurled knob with vertical scale on pump cap.
57905	No return spring. Provides improved fill on suction stroke pumping liquefied gases by utilizing the inlet pressure. Only available on M and MS series.
59888	Cycle timer installed.
80103	Noise reduction kit fitted.
80348	SAE outlet for M-pumps, 3/8" SAE, 6500 psi (448 bar) max.
81499	EPR Seals for M and MS series for Liquid Section.
82367	SS trim for 1/2 hp drive
82500	ATEX Modification (Available on MS & 29723 but not M series).
85630	Conversion kit, new style exhaust muffler.
86337	Extended life air drive.

.75 hp (.56 kW) Pump Models



Key Features

- One model available in 9 ratios
- Output pressures to 15000 psi (1034 bar)
- Flows to 1.5 gpm (5.7 l/min)
- Choice of wetted materials
- Single air head
- Drive pressure 3 psi to 100 psi (.2 to 7 bar)

Optional Modifications

Number	Description
-C	Air drive controls.
56564	Extreme cycling service. Not recommended for long stall periods.
56594	External air pilot port 1/8" NPT. Allows remote start/stop of pump.
57639	Low drive air pressure. Allows user to regulate drive air to as low as 3 psi (.2 bar).
57960	Single acting drive. Used for pumping liquefied gases under pressure.
58475	1/8" NPT port on drive for recycle valve connection.
59354	Noise reduction kit fitted.

Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
4B	-14	1500 psi (103 bar)	.9 cu in (14.8 ml)
	-21	2300 psi (159 bar)	.6 cu in (9.8 ml)
	-25	2700 psi (186 bar)	.5 cu in (8.2 ml)
	-30	3200 psi (221 bar)	.43 cu in (7.1 ml)
	-37	3800 psi (262 bar)	.35 cu in (5.7 ml)
	-55	6000 psi (414 bar)	.22 cu in (3.6 ml)
	-75	7800 psi (538 bar)	.17 cu in (2.8 ml)
	-100	10600 psi (731 bar)	.13 cu in (2.1 ml)
	-150	15000 psi (1034 bar)	.088 cu in (1.4 ml)

For service codes, see page 17.

For weights and dimensions, see page 19.



1.5 hp (1.12 kW) Pump Models



Key Features

- Choice of 11 models, 13 ratios, 48 possible combinations
- Output pressures to 50000 psi (3448 bar)
- Flows to 22 gpm (83.0 l/min)
- Choice of wetted materials
- Single air head
- Drive pressure 3 to 150 psi (.2 to 10 bar)

Optional Modifications

Number	Description
-C	Air controls (filter, regulator, gauge, shut-off). ½" NPT.
-CP	Air controls with precision regulator. ½" NPT.
-CO	Air controls with recycle button. ½" NPT.
-CPO	Air controls with precision regulator and recycle button. ½" NPT.
-B	Bottom Inlet (designate "B" before ratio dash number, "BR" on -B10, -B15, -B22 and -B32) 1.5 hp and 2 hp pumps (not applicable to high output, chemical, 2.2 hp, or AWD series pumps).
-W	Additional upper foot bracket.
16821	Low air pressure control feature. For operating at air pressures as low as 3 to 4 psi (.2 to .3 bar). Includes 28881 modification.
16831	Low temperature modification. For special sealing in air drive for operating temperatures from as low as -20°F up to normal +120°F.
16834	Exhaust adapter. With back pressure balance piston.
17860	Electrical stroke counter provision. Includes BZE6-2RQ microswitch.
25721	Mechanical stroke counter, installed (6 digit).
27964	Interconnecting inlet-outlet tubing. ½" female for 4:1 ratio series pumps (ATV-4 or DTV-4).
28000	Threaded vent (or purge) ports on standard distance piece. Except 1.5:1 ratio.
28003	Test port. Provides access port in pump's body between inlet and outlet check valves for 1.5 hp and 2 hp pumps. -10 ratio or higher, single acting.
28881	Air pilot modification. ¼" NPT. Allows remote start/stop of pump.
29376	Three-way cycling spool. For 1.5 hp and 2 hp single acting pumps, for use with CO ₂
29702	Single stroke modification.

Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
DSTV ⁽¹⁾	-1.5	160 psi (11 bar)	31.9 cu in (513.0 ml)
ATV, DTV ⁽¹⁾	-4	1200 psi (83 bar)	20.0 cu in (328.0 ml)
AW, ASF, DF, DSF, DSTV	-B10	1600 psi (110 bar)	4 cu in (66.4 ml)
	-B15	2400 psi (165 bar)	2.7 cu in (44.3 ml)
	-25	4000 psi (276 bar)	1.6 cu in (26.6 ml)
	-35	5700 psi (393 bar)	1.2 cu in (19 ml)
	-60	9800 psi (676 bar)	.7 cu in (11 ml)
AW, ASF, DF, DSF, DSTV	-100	16500 psi (1138 bar)	.4 cu in (6.7 ml)
	-150	20000 psi (1375 bar)	.28 cu in (4.5 ml)
HF, HSF, DSHF	-151	25000 psi (1724 bar)	.28 cu in (4.5 ml)
	-225	37000 psi (2551 bar)	.18 cu in (3.0 ml)
	-300	50000 psi (3448 bar)	.14 cu in (2.3 ml)
HF	-450	45000 psi (3403 bar)	.09 cu in (1.5 ml)

(1) These series are "Lift" pumps and maximum outlet pressure is (air drive x pump ratio) + inlet pressure

For service codes, see page 17.

For weights and dimensions, see page 20.

Number	Description
29806	Double distance piece. For 1.5 hp and 2 hp pumps only, except 1.5:1 ratio.
51050	Extreme service cycling modification. Not recommended for long stall periods.
51056	Exhaust/pilot vent combination.
51331	EPR (Ethylene propylene) static seals in wetted section. Applies to distance piece pumps only.
51345	Sour gas drive provision to N.A.C.E. specifications. 1.5 hp to 2.2 hp distance piece pumps only, single air head and double air head.
52788	Viton seals air drive.
53925	Severe Arctic low temperature service. -25, -35, -60, -100, -150, -151, -225, -300, -450 ratios.
54885	Rotate pump body 90° from standard.
54935	SS trim for 5/3 air drive.
55305	Tube ports. ⅝" SAE inlet and outlet. For 1.5 hp to 2 hp pumps. 15 pump minimum.
55516	Polyurethane ("W") seal. For F or TV series pumps, except high output models.
55630	Stainless steel (AISI-316) distance piece. For 1.5 hp to 2 hp pumps.
59353	Noise reduction kit fitted. Not available on AFD, DFD, ASFD or DSFD.
82460	HNBR seals in air drive section.
82500	ATEX modification (not available on AW or DSXHW pumps).
82958	⅝" High pressure outlet converts medium ratio 10-122 outlet ½ port to high pressure port.
86337	Extended life air drive.

1.5 hp (1.12 kW) High Output Flow Pumps

Available in a choice of 3 models, these high output, low ratio pumps are capable of pressures to 1200 psi (82 bar) and flow rates of up to 22 gpm (83 l/min). These are "lift" pumps whereby the outlet pressure equals the air drive x the pump ratio plus the inlet pressure.

Model DSTV-1.5 has a maximum air drive of 150 psi (10 bar) and is capable of pressures up to 160 psi (11 bar). The model ATV and DTV-4 work on a maximum air drive of 150 psi (10 bar) and have a maximum pressure rating of 1200 psi (83 bar). A noise reduction modification is available for applications where noise level is an issue.

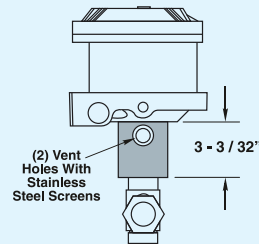
Distance Piece (Separation)

Pumps with prefix "D" in the model number have aluminum distance piece between the air drive and pump section (except DSTV-1.5). Vent holes can be threaded 1/2" NPT female at extra cost. Specify modification number 28000. Horizontal mounting is recommended for non-exchange of contaminants.

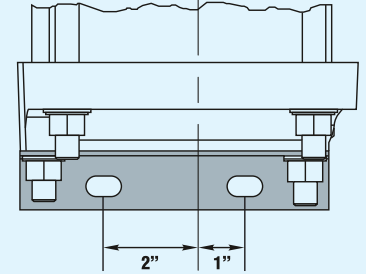
Mounting Brackets

All series mounting brackets have 7/16" holes (slots) for 3/8" bolts. Upper mounting brackets are not furnished as standard on single air head non-distance piece units.

Dimensional Data



Mounting Brackets

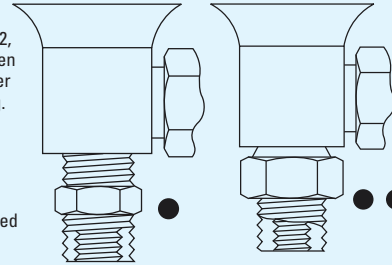


Optional Pump Inlets for Tank Mounting

To specify ratios -10, -15, -22 or -32, add "BR" between the model number and the ratio, e.g. AW-BR10.

Inlet externally threaded 1 1/4" NPT male

Internally threaded 1" NPT female



To specify ratios -25 through -903, add "B" between the model number and the ratio, e.g. AW-B25.

Inlet on the bottom and externally threaded 1" NPT male

Internally threaded 1/2" NPT female

Drive inlet and exhaust are 1/2" NPT female. Drive inlet also includes a 1/2" NPT male x 1/2" NPSM female (straight pipe thread) swivel adapter (connecting male nipple should include 30° inside bevel for proper fit).



2 & 2.2 hp (1.49 & 1.64 kW) Pump Models



Key Features

- Choice of 16 models, 13 ratios, 46 possible combinations
- Output pressures to 100000 psi (7000 bar)
- Flows to 5 gpm (15 l/min)
- Choice of wetted materials
- Double and triple air heads
- Drive pressure 3 to 100 psi (.2 to 7 bar)

Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
AW, ASF, DF, DSF, DSTV	-B22	3200 psi (221 bar)	4 cu in (66.4 ml)
	-B32	4800 psi (331 bar)	2.7 cu in (44.3 ml)
	-52	8000 psi (552 bar)	1.6 cu in (26.6 ml)
	-72	11000 psi (758 bar)	1.2 cu in (19 ml)
	-122	19000 psi (1310 bar)	.7 cu in (11 ml)
HF, HSF, DHF, DSHF	-202	33000 psi (2275 bar)	.4 cu in (6.7 ml)
	-302	50000 psi (3448 bar)	.28 cu in (4.5 ml)
DXHF, DSXHF	-452	70000 psi (4827 bar)	.18 cu in (3.0 ml)
	-602	75000 psi (5171 bar)	.14 cu in (2.3 ml)
DXHF, DSXHF	-683	70000 psi (4827 bar)	.18 cu in (3.0 ml)
	-903	75000 psi (5171 bar)	.14 cu in (2.3 ml)
DSXHW	-1373	100000 psi (6895 bar)	.09 cu in (1.4 ml)
AFD, DSFD, DFD, ASFD	-B60	6500 psi (448 bar)	1.3 cu in (22 ml)

For service codes, see page 17.

For weights and dimensions, see page 20.

3 hp (2.24 kW) Pump Models



Key Features

- One model available in 8 ratios
- Output pressures to 33000 psi (2275 bar)
- Flow rates to 8 gpm (30 l/min)
- Single air head
- Drive pressure 3 to 150 psi (.2 to 10 bar)

Model	Nominal Ratio	Maximum Working Pressure*	Displacement per Cycle
ASFD	10	1600 psi (110 bar)	8.1 cu in (132.8 ml)
	15	2400 psi (165 bar)	5.4 cu in (88.6 ml)
	25	4000 psi (276 bar)	3.3 cu in (53.2 ml)
	35	5700 psi (393 bar)	2.3 cu in (38 ml)
	60	9800 psi (676 bar)	1.3 cu in (22 ml)
	100	16500 psi (1138 bar)	.8 cu in (13.4 ml)
	150	20000 psi (1379 bar)	.6 cu in (9 ml)
	202	33000 psi (2275 bar)	.8 cu in (13.4 ml)

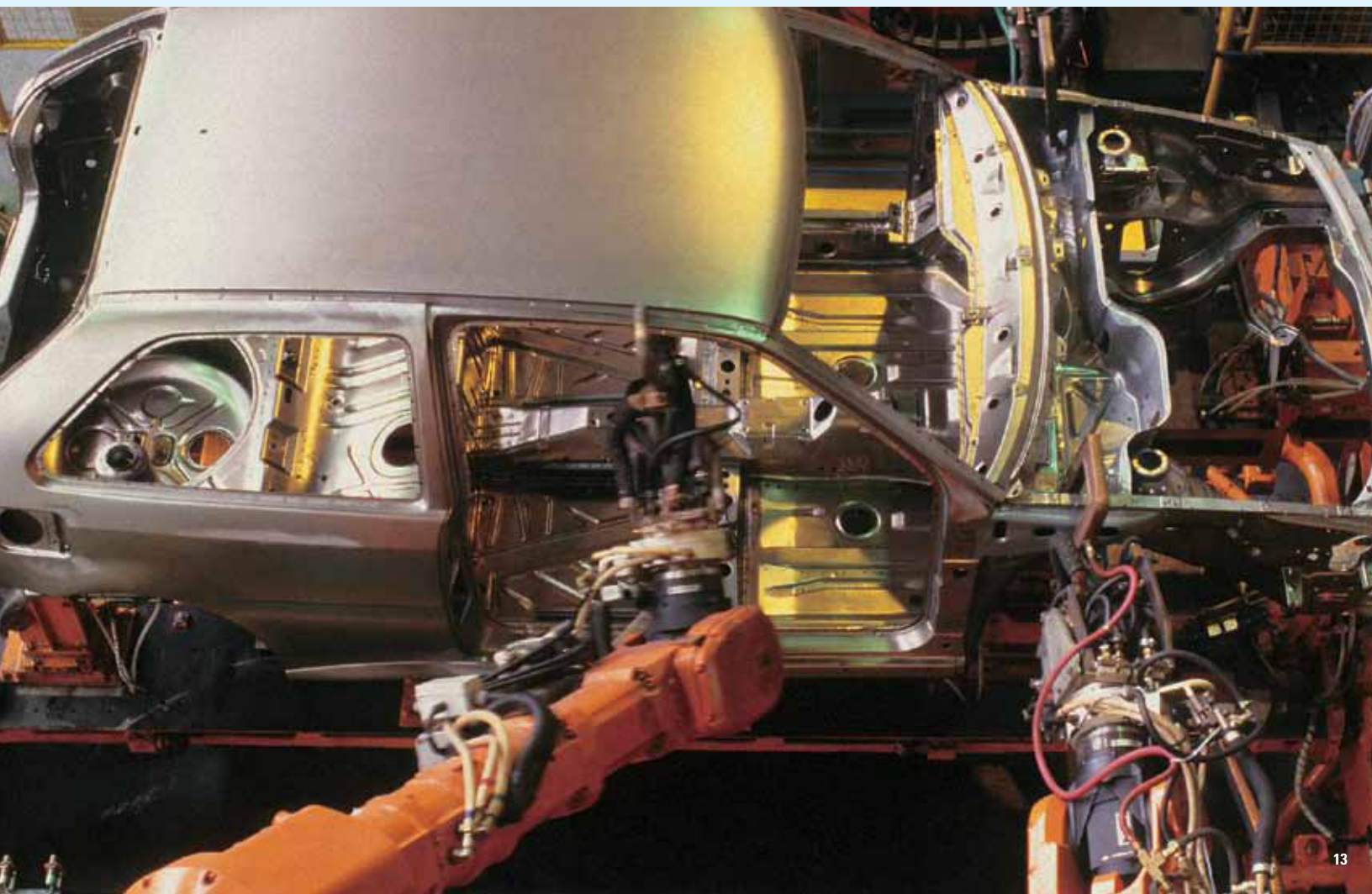
* Continuous/Intermittent

For service codes, see page 17.

For weights and dimensions, see page 21.

Optional Modifications (for 2 hp, 2.2 hp and 3 hp pump models)

Number	Description	Number	Description
-C	Air controls (filter, regulator, gauge, shut-off. ½" NPT.	51050	Extreme service cycling modification. Not recommended for long stall periods.
-CP	Air controls with precision regulator. ½" NPT.	51056	Exhaust/pilot vent combiner.
-CO	Air controls with recycle button. ½" NPT.	51331	EPR (Ethylene propylene) static seals in wetted section. Applies to distance piece pumps only.
-CPO	Air controls with precision regulator and recycle button. ½" NPT.	51345	Sour gas drive provision to N.A.C.E. specifications. 1.5 hp to 2.2 hp distance piece pumps only, single air head and double air head.
-B	Bottom Inlet (designate "B" before ratio dash number, "BR" on -B10, -B15, -B22 and -B32) 1.5 hp and 2 hp pumps (not applicable to high output, chemical, 2.2 hp, or AWD series pumps)	52788	Viton seals. Air drive only – 1.5 hp to 2.2 hp pumps only.
16821	Low air pressure control feature. For operating at air pressures as low as 3 to 4 psi (.2 to .3 bar).	53925	Severe Arctic low temperature service. -25, -35, -60, -100, -150, -151, -225, -300, -450 ratios except 3 hp pump.
16831	Low temperature modification. For special sealing in air drive for operating temperatures from as low as -20°F up to normal +120°F.	54885	Rotate pump body 90° from standard. Except 3 hp pump.
16834	Exhaust adapter. With back pressure balance piston.	54935	SS trim for 5/3 air drive.
17860	Electrical stroke counter provision. Includes BZE6-2RQ microswitch.	55191	Mounting ring kit for AWD series.
25721	Mechanical stroke counter. Installed (6 digit).	55192	3/4 NPT inlet port installed on AWD series (in place of threaded port).
27964	Interconnecting inlet-outlet tubing. ½" female for 4:1 ratio series pumps (ATV-4 or DTV-4).	55193	Extra foot bracket installed.
28000	Threaded vent (or purge) ports on standard distance piece. Except 1.5:1 ratio and 3 hp pump.	55305	Tube ports. ⅝" SAE inlet and outlet – for 1.5 hp to 2 hp pumps, 15 pump minimum.
28003	Test port. Provides access port in pump's body between inlet and outlet check valves for 1.5 hp and 2 hp pumps, -10 ratio or higher, single acting.	55465	Ceramic Plunger -60 Ratio.
28881	Air pilot modification. ⅜" NPT – Allows remote start/stop of pump.	55516	Polyurethane "W" seal in "F" series pumps-except high output models.
29376	Three-way cycling spool. For 1.5 hp and 2 hp single acting pumps.	55630	Stainless steel (SS-316) distance piece – for 1.5 thru 2 hp pumps.
29702	Single stroke modification. Except 3 hp pump.	59353	Noise reduction kit fitted. Not available on AFD, DFD, ASFD or DSFD.
29806	Double distance piece. For 1.5 hp and 2 hp pumps only, except 1.5:1 ratio.	59888	Cycle timer installed.
		82460	HNBR Seals in air drive section.
		82500	ATEX modification (not available on AW or DSXHW pumps).
		86337	Extended life air drive.



6 hp (4.47 kW) Pump Models



Key Features

- Choice of 10 models, 4 ratios, 20 possible combinations
- Output pressures to 10000 psi (690 bar)
- Flow rates to 21 gpm (80 l/min)
- Choice of wetted materials
- Single air head – double acting
- Drive pressure 3 to 125 psi (.2 to 9 bar)
- All hydraulic fluids, water (plain or DI), solvents

Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
GWD, GSFD, DGFD ⁽¹⁾ , DGSFD ⁽¹⁾ , DGSTVD ⁽¹⁾	-12	4000 psi (276 bar)	15.9 cu in (260 ml)
GW, GSF, DGF, DGSF, DGSTV	-35	4375 psi (302 bar)	6.0 cu in (98 ml)
	-60	7500 psi (517 bar)	3.5 cu in (57 ml)
	-100	10000 psi (690 bar)	2.1 cu in (34.5 ml)

(1) Double Acting "Lift" Pumps

For service codes, see page 17.

For weights and dimensions, see page 22.

Incorporating 10 models, this heavy duty range of double acting pumps provide pressures up to 10000 psi (690 bar) and flow rates up to 4 gpm (15 l/min).

Designed to operate with air drive pressures between 40 and 125 psi (2.8 and 9 bar). For drive pressures 3 to 40 psi (.2 to 2.8 bar), order 51875-1 mod.

8 hp (5.97 kW) Pump Models



Key Features

- Choice of 6 models, 5 ratios, 9 possible combinations
- Pressures to 22500 psi (1530 bar)
- Flow rates to 11.5 gpm (44 l/min)
- All hydraulic fluids, water (plain or DI), solvents, liquefied gases
- Choice of wetted materials
- Single air head – double acting
- Drive pressure 3 to 125 psi (.2 to 9 bar)

Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
8SFD, 8DFD, 8DSFD, 8DSTVD, 8FD	-25 ⁽¹⁾	4000 psi (276 bar)	14 cu in (229 ml)
8SFD, 8DSFD	-40	6000 psi (408 bar)	9 cu in (145.3 ml)
	-65	10000 psi (690 bar)	5.4 cu in (88.2 ml)
	-100 ⁽¹⁾	10000 psi (690 bar)	3.5 cu in (57.5 ml)
8HSFD	-225 ⁽¹⁾	22500 psi (1530 bar)	1.6 cu in (25.5 ml)

(1) Double Acting "Lift" Pumps

For service codes, see page 17.

For weights and dimensions, see page 23.

10 hp (7.46 kW) Pump Models



Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
D14STD	125 ⁽¹⁾	16000 psi (1103 bar)	8.8 cu in (144.2 ml)
	315 ⁽¹⁾	36000 psi (2482 bar)	3.5 cu in (57.4 ml)
D14SFD	125 ⁽¹⁾	16000 psi (1103 bar)	8.8 cu in (144.2 ml)
	315 ⁽¹⁾	36000 psi (2482 bar)	3.5 cu in (57.4 ml)

(1) Double Acting "Lift" Pumps

*For service codes, see page 17.
For weights and dimensions, see page 23.*

Key Features

- Choice of 4 models, 4 ratios, 4 possible combinations
- Pressures to 36000 psi (2500 bar)
- Flow rates to 3 gpm (11 l/min)
- Drive pressure 3 to 125 psi (.2 to 9 bar)
- All hydraulic fluids, water (plain or DI), solvents, liquefied gases
- Choice of wetted materials

Incorporating two basic models, this heavy duty range of double acting pumps provide pressures up to 36000 psi (2482 bar) and output flow rate up to 3 gpm (11 l/min).

Operating from a maximum air drive pressure of 125 psi (9 bar), these pumps are designed for medium to high pressure service with minimum maintenance.

These large, slow speed pumps approach a seal life as high as 5 times that of many smaller pumps and this advantage becomes ever greater in heavy duty service involving water, or other liquids with negligible lubricity.

Optional Modifications (for 6 hp, 8 hp and 10 hp pump)

Number	Description	Number	Description
C	Air controls.	54312	Extreme service cycling modification – for 6 hp thru 10 hp pumps.
17860	Electrical stroke counter provision (includes BZE6-2RQ micro switch).	54936	Exhaust/pilot vent combiner.
25721	Mechanical stroke counter installed (6 digit).	55330	Interconnecting tubing 8DSFD-100 low pressure inlet.
29077	Interconnecting tubing – 6 hp and 8 hp pumps, double ended.	55330-1	Interconnecting tubing 8DSFD-100 high pressure inlet.
29077-1	Interconnecting tubing – 6 hp and 8 hp pumps, double ended low ratio pumps.	55366	Interconnecting tubing 8DSFD-225.
29078	Same as 29077, 29077-1 double ended w/distance piece.	57002	Viton seals – air drive only – 6 hp.
29078-1	Same as 29077, 29077-1 double ended w/distance piece low ratio pumps.	57944	Viton seals – air drive only – 8 hp.
29079	Interconnecting tubing – 10 hp pumps.	59888	Cycle timer installed.
29125	External pilot modification – for 6 hp thru 10 hp pumps.	82500	ATEX modification available for 6 hp only, not available on 8 hp or 14 hp drive, nor on GW, GSF, DGSF, GSFD, or DGSFD models.
51875-1	Low air pressure control – for 6 hp thru 10 hp pumps.	86337	Extended life air drive.
54030	Sour gas air drive provision to NACE spec. 6 hp distance piece pumps only.		

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