

10 hp (7.46 kW) Pump Models



Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
		<small>Consult chart on page 6 for more information regarding continuous/intermittent pressures.</small>	
D14STD	125 ⁽¹⁾	16000 psi (1103 bar)	8.8 cu in (144.2 ml) 3.5 cu in (57.4 ml)
	315 ⁽¹⁾	36000 psi (2482 bar)	
D14SFD	125 ⁽¹⁾	16000 psi (1103 bar)	8.8 cu in (144.2 ml) 3.5 cu in (57.4 ml)
	315 ⁽¹⁾	36000 psi (2482 bar)	

(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
C	Air controls.
17860	Electrical stroke counter provision (includes BZE6-2RQ micro switch).
25721	Mechanical stroke counter installed (6 digit).
29077	Interconnecting tubing – 6 hp and 8 hp pumps, double ended.
29077-1	Interconnecting tubing – 6 hp and 8 hp pumps, double ended low ratio pumps.
29078	Same as 29077, 29077-1 double ended w/distance piece.
29078-1	Same as 29077, 29077-1 double ended w/distance piece low ratio pumps.
29079	Interconnecting tubing – 10 hp pumps.
29125	External pilot modification – for 6 hp thru 10 hp pumps.
29702-2	Single stroke.
87410	Low air pressure control – for 6 hp thru 10 hp pumps.
54030	Sour gas air drive provision to NACE spec. 6 hp distance piece pumps only.

Number	Description
54312	Extreme service cycling modification – for 6 hp thru 10 hp pumps.
54936	Exhaust/pilot vent combiner.
55330	Interconnecting tubing 8DSFD-100 low pressure inlet.
55330-1	Interconnecting tubing 8DSFD-100 high pressure inlet.
55366	Interconnecting tubing 8DSFD-225.
57002	Viton seals – air drive only – 6 hp.
57944	Viton seals – air drive only – 8 hp.
59888	Cycle timer installed.
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.
86337	Extended life air drive.

