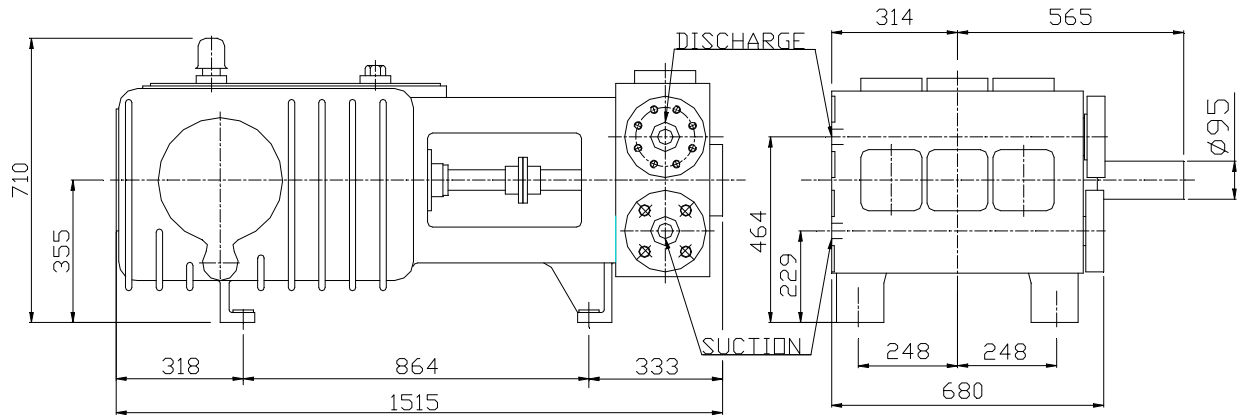




# DAWSON DOWNIE LAMONT LTD

## HORIZONTAL TRIPLEX PLUNGER PUMPS

### SP76 SERIES



NOTE: - ALL DIMENSIONS SHOWN IN MILLIMETERS AND ARE GUIDELINES ONLY

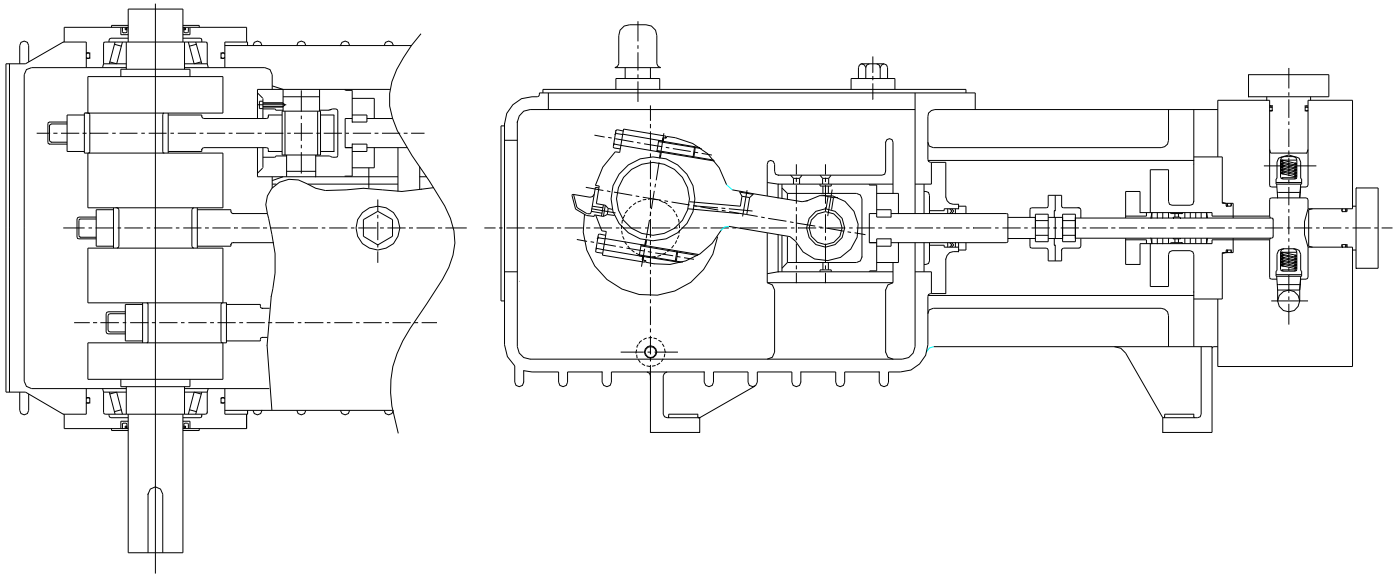
The SP76 is a high performance 4" stroke horizontal triplex plunger pump designed to API 674, ideally suited for high pressure medium to high flow applications. It is available in twelve plunger sizes resulting in a wide performance range as shown in the table below.

The SP76 is driven by an electric motor through a gearbox or belts and pulleys. The motor can be mounted above the power frame making it ideal for restricted space applications.

The fluid end components are available in a selection of materials to ensure compatibility with the pumping medium.

RAM DIA. INCHES	MAXIMUM PRESSURE BARG	PUMP SPEED (R.P.M)					
		96	116	145	194	290	350
		OUTPUT M <sup>3</sup> /HR					
1.25	562	1.39	1.68	2.10	2.81	4.20	5.07
1.50	390	2.00	2.42	3.02	4.05	6.05	7.30
1.75	287	2.72	3.30	4.11	5.51	8.23	9.94
2.00	219	3.56	4.30	5.38	7.20	10.75	12.98
2.25	173	4.51	5.44	6.81	9.11	13.61	16.43
2.50	140	5.56	6.72	8.40	11.24	16.80	20.28
2.75	116	6.73	8.13	10.17	13.60	20.34	24.52
3.00	97	8.01	9.68	12.10	16.19	24.20	29.21
3.25	83	9.40	11.36	14.20	19.00	28.39	34.28
3.50	72	10.90	13.17	16.47	22.03	32.94	39.75
3.75	62	12.52	15.13	18.91	25.31	37.82	45.64
4.00	55	14.78	17.20	21.50	28.77	43.00	51.88

Displacement figures are based on water at ambient temperature and calculated at 100% Volumetric Efficiency.



### MATERIAL OPTIONS

- ◆ Fluid end- Available in carbon steel or stainless steel.
- ◆ Plungers- Available in Colmonoy or chrome coated stainless steel.
- ◆ Valves- Available with disc or wing guided type.
- ◆ Crankcase- High grade Cast Iron.

### DESIGN FEATURES

- ◆ Totally enclosed power frame incorporating splash-feed lubrication.
- ◆ Force-feed lubrication for high-pressure applications.
- ◆ Crankshaft in high tensile steel with drive extension available from either side of power frame.
- ◆ Heavy Duty taper roller Main Bearings rated for continuous duty at maximum design load.
- ◆ Suction and discharge flanges to suit customers preferred rating.
- ◆ Handing of flanges to suit customers pipe work.
- ◆ Lightweight disc valves used for low suction pressure/NPSH duty conditions.
- ◆ Polyurethane inserted stainless steel valves for highly abrasive duty applications.
- ◆ Water-cooled stuffing box to suit high temperature fluids.

Dawson Downie Lamont  
Unit 31 Rutherford Road  
Southfield Industrial Estate  
Glenrothes  
Fife  
KY6 2RT  
United Kingdom

TEL: - (+44) 01592 775577  
FAX: - (+44) 01592 775517  
WEB SITE: - <http://www.ddl-ltd.com>  
E-mail: - [sales@ddl-ltd.com](mailto:sales@ddl-ltd.com)