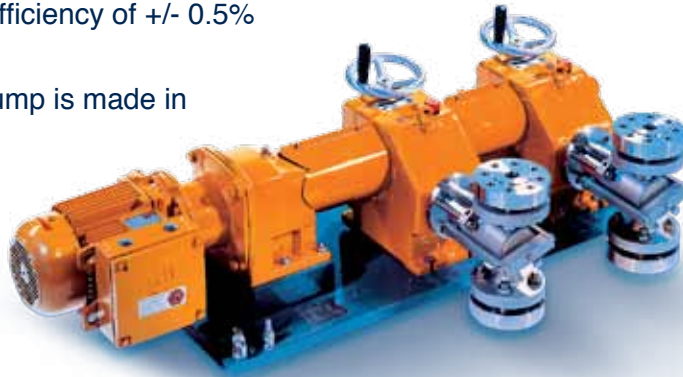


# Orlita<sup>®</sup> PS Series

## High Accuracy Metering

The **ProMinent<sup>®</sup> Orlita<sup>®</sup> PS** is a packed plunger piston metering pump capable of reaching pressures up to **5800 psi (400 bar)** and flows up to **8,800 gph (33,300 l/h)**. Fluid is pumped by an oscillating piston encased in an adjustable packing. Special cone valves in the liquid end help the pump maintain an efficiency of +/- 0.5%

The PS packed plunger piston pump is made in accordance to API-675



## Applications

- Glycol injection
- Catalyst injection
- Methanol injection
- Molten Sulfur
- LDPE Production
- Drag Reducers

## Markets

- Oil & Gas Production
- Refineries
- Chemicals
- Petrochemical
- Environmental
- Water treatment

## Features & Benefits

- In Accordance with API 675
- Accuracy +/- 0.5%
- Flow rates to 8,800 gph
- Temperatures from -30 to +750°F (-22 to 400°C)
- Adjustable packing
- Stainless steel liquid end
- Operating Pressures to 5,800 psi

**ProMinent<sup>®</sup>**

Visit our XTRANET <[www.prominentxtranet.com](http://www.prominentxtranet.com)> to:

- sign up for our electronic newsletter
- download literature and manuals
- validate your product warranty

## Capacity data

### PS 18 - 60Hz

Plunger ø mm	Stroke Volume cm <sup>3</sup> /stroke	Pump capacity Q <sub>th</sub> in gph per pump head at a stroke rate n in rpm.				Max pressure psig
		88	109	134	174	
6	0.42	0.6	0.7	0.9	1.1	3625
7	0.58	0.8	1.0	1.2	1.6	3625
8	0.75	1.0	1.3	1.6	2.1	3625
10	1.18	1.6	2.0	2.5	3.2	2900
12	1.70	2.3	2.9	3.6	4.7	2015
16	3.02	4.2	5.2	6.4	8.3	1130
20	4.71	6.5	8.1	10.0	13.0	725
25	7.36	10.1	12.7	15.6	20.3	460
30	10.60	14.6	18.3	22.5	29.2	315
36	15.27	21.1	26.3	32.4	42.1	215
40	18.85	26.0	32.5	40.0	52.0	170
50	29.45	40.6	50.8	62.5	81.2	115

### PS 600 - 60Hz

Plunger ø mm	Stroke Volume cm <sup>3</sup> /stroke	Pump capacity Q <sub>th</sub> in gph per pump head at a stroke rate n in rpm			Max pressure psig	
		86	108	161		
30	28.27	38.7	48.2	62.9	5800	
36	40.27	55.7	69.4	90.6	5115	
40	50.27	68.8	85.7	111.9	4145	
50	78.54	107.5	133.9	174.8	2650	
54	91.61	125.5	156.2	203.9	2275	
65	132.73	181.8	226.4	295.5	338.0	1565
70	153.94	210.8	262.6	342.7	392.1	1345
80	201.06	275.3	342.9	447.6	512.1	1025
94	277.59	380.2	473.5	617.9	707.0	735
125	490.87	672.3	837.3	1092.8	1250.2	420
140	615.75	843.3	1050.3	1370.8	1568.2	330
160	804.25	1101.4	1371.9	1790.4	2048.3	260
200	1256.64	1721.0	2143.5	2797.5	3200.5	155

### PS 35 - 60Hz

Plunger ø mm	Stroke Volume cm <sup>3</sup> /stroke	Pump capacity Q <sub>th</sub> in gph per pump head at a stroke rate n in rpm				Max pressure psig
		88	109	134	174	
8	1.01	1.4	1.7	2.1	2.8	3625
10	1.57	2.2	2.7	3.3	4.3	3625
12	2.26	3.1	3.9	4.8	6.2	3625
16	4.02	5.5	6.9	8.5	11.1	2275
20	6.28	8.7	10.8	13.3	17.3	1450
25	9.82	13.5	16.9	20.8	27.1	925
30	14.14	19.5	24.3	30.0	39.0	635
36	20.36	28.1	35.1	43.2	56.1	445
40	25.13	34.7	43.3	53.3	69.3	360
50	39.27	54.2	67.7	83.3	108.3	230
65	66.37	91.5	114.4	140.8	183.0	130
80	100.53	138.6	173.3	213.3	277.3	85

### PS 1400 - 60Hz

Plunger ø mm	Stroke Volume cm <sup>3</sup> /stroke	Pump capacity Q <sub>th</sub> in gph per pump head at a stroke rate n in rpm			Max pressure psig	
		96	112	127		
40	75.40	114.2	132.9	152.2	179.4	5800
50	117.81	178.4	207.6	237.9	280.4	3985
60	169.65	257.0	299.0	342.5	403.7	2765
70	230.91	349.7	407.0	466.2	549.5	2030
80	301.59	456.8	531.5	609.0	717.7	1550
94	416.39	630.7	733.9	840.8	990.8	1115
125	736.31	1115.3	1297.7	1486.8	1752.3	635
140	923.63	1399.0	1627.8	1865.0	2198.1	505
160	1206.37	1827.3	2126.2	2435.9	2871.0	360
200	1884.96	2855.1	3322.1	3806.1	4485.9	245
280	3694.51	5596.0	6511.4	7460.0	8792.4	115

### PS 80 - 60Hz

Plunger ø mm	Stroke Volume cm <sup>3</sup> /stroke	Pump capacity Q <sub>th</sub> in gph per pump head at a stroke rate n in rpm				Max pressure psig
		94	118	146	161	
20	6.28	9.3	11.7	14.6	16.0	3625
25	9.82	14.6	18.3	22.8	25.1	3625
30	14.14	21.0	26.4	32.8	36.1	2580
36	20.36	30.2	38.0	47.2	52.0	1780
40	25.13	37.3	46.9	58.3	64.2	1450
50	39.27	58.2	73.3	91.1	100.4	925
60	56.55	83.9	105.6	131.3	144.5	580
65	66.37	98.4	123.9	154.1	169.6	550
80	100.53	149.1	187.7	233.4	257.0	360
100	157.08	232.9	293.3	364.7	401.5	230
125	245.44	364.0	458.3	569.8	627.1	145
140	307.88	456.5	574.9	714.8	787.0	115
160	402.12	596.3	750.9	933.6	1027.9	85

