

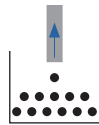
# SLP 2100

## Hose-end performance

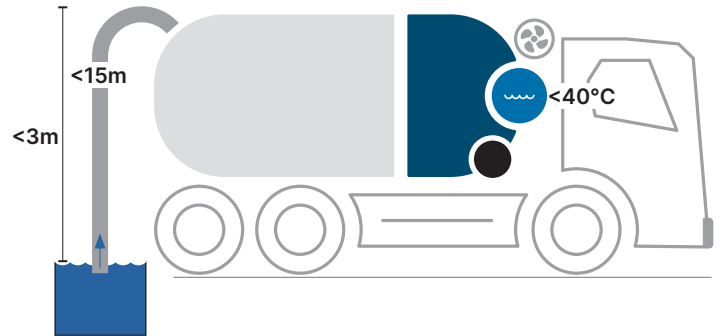
Hose-end flow data is based on the following test parameters:

- Water temperature up to 40°C
- Suction hose length up to 15 m
- Suction depth up to 3 m
- Tolerance ±10%

WATER flow can be used as a test parameter during commissioning and factory acceptance tests.



AIR FLOW



WATER FLOW

		Operators power experience during air lift of solids					Tank filling performance fully submerged vacuum lift					RETURN ON INVESTMENT				
		Air flow   m/sec					m <sup>3</sup> /h   kW					Fuel consumption filling 100m <sup>3</sup>				
		6" HOSE		5" HOSE		4" HOSE	3" HOSE		2" HOSE	6" HOSE		5" HOSE		4" HOSE		3" HOSE
SLP 2100	1600 RPM	30 -14%	43 23%	58 65%	93 165%	129 268%	404 50% 68kW	270 68kW	163 -40% 68kW	79 -71% 68kW	26 -90% 68kW	1,68 4,51 KG/CO2	2,52 6,75 KG/CO2	4,17 11,1 KG/CO2	8,61 23,0 KG/CO2	26,1 70,0 KG/CO2
	1500 RPM	28 -20%	40 Perfect	54 56%	88 152%	126 260%	400 46% 59kW	274 59kW	163 -41% 59kW	79 -71% 59kW	26 -91% 59kW	1,47 3,95 KG/CO2	2,15 5,76 KG/CO2	3,62 9,70 KG/CO2	7,47 20,0 KG/CO2	22,6 60,8 KG/CO2
	1400 RPM	26 -26%	38 Perfect	51 47%	84 140%	123 250%	384 42% 53kW	270 53kW	163 -40% 53kW	79 -71% 53kW	26 -90% 53kW	1,38 3,70 KG/CO2	1,96 5,26 KG/CO2	3,25 8,71 KG/CO2	6,71 17,9 KG/CO2	20,3 54,6 KG/CO2
	1300 RPM	28 -29%	36 Perfect	48 36%	79 125%	120 243%	370 47% 46kW	252 46kW	163 -35% 46kW	79 -69% 46kW	26 -90% 46kW	1,59 4,26 KG/CO2	1,83 4,89 KG/CO2	2,82 7,56 KG/CO2	5,82 15,6 KG/CO2	17,6 47,4 KG/CO2
	1200 RPM	30 -34%	33 -6%	44 27%	74 111%	115 229%	377 49% 40kW	252 40kW	150 -41% 40kW	79 -69% 40kW	26 -90% 40kW	1,80 4,83 KG/CO2	1,58 4,24 KG/CO2	2,66 7,13 KG/CO2	5,06 13,5 KG/CO2	15,3 41,2 KG/CO2

**Air flow m/sec**

100%+	Overcapacity extreme
45-99%	Overcapacity high
15-44%	Overcapacity
0-14%	Perfect 35 - 40 m/sec
0--29%	Water is flying
-30%-	Insufficient speed

**Performance +/- %**

90% +
60-90%
40-60%
20-40%
10-20%
Full capacity

**Diesel oil consumption per 100m<sup>3</sup>**

5L +	Highly Inefficient
4-5L	Inefficient
3-4L	Less Efficient
2-3L	Moderately Efficient
1-2L	Efficient
0-1L	Highly Efficient

DOC1140

### Customized calculations

Our team of vacuum specialists, with extensive experience, is available for customized calculations based on specific investments. Reach out for a consultation and achieve goals with precision and expertise.

# SLP 2100

## Pump-end performance

**Features:**

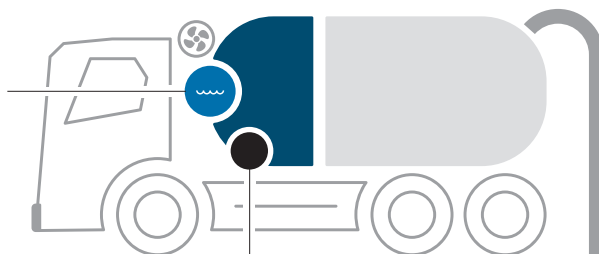
- E-coated cast iron
- Stainless steel rotor
- Dry run resistant mechanical shaft seals
- Available in ATEX Zone 1 or 0
- Low noise



**Water evaporation from saturation inside the pump**

Metric	50% vacuum	70% vacuum	80% vacuum	US	50% vacuum	70% vacuum	80% vacuum
20°C	8	4	2	68°F	2	1	1
30°C	20	10	6	86°F	5	3	2
40°C	39	19	11	104°F	10	5	3
50°C	67	33	19	122°F	18	9	5
55°C	111	54	31	131°F	29	14	8

L/h Gal/h



**Vacuum**

Metric	m3/h	kW	Nm	US	CFM	HP	Lbs *ft
1600 RPM	2320	68	406	1600 RPM	1366	91	299
1500 RPM	2184	59	376	1500 RPM	1286	79	277
1400 RPM	2052	53	362	1400 RPM	1208	71	267
1300 RPM	1949	46	338	1300 RPM	1147	62	249
1200 RPM	1781	40	318	1200 RPM	1048	54	235

**Pressure**

Metric	m3/h	kW	Nm	US	CFM	HP	Lbs *ft
1600 RPM	1462	88	525	1600 RPM	861	118	387
1500 RPM	1373	77	490	1500 RPM	808	103	362
1400 RPM	1292	65	443	1400 RPM	760	87	327
1300 RPM	1128	55	404	1300 RPM	664	74	298
1200 RPM	802	46	366	1200 RPM	472	62	270