

# PRODUCT SHEET

## Pump Protection Separator - PPS

### DESCRIPTION

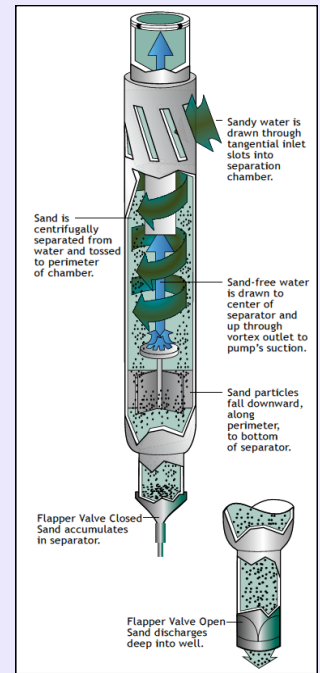
When sand threatens the performance of a pump, Lakos **Pump Protection Separators (PPS)** can help solve the problem. Utilizing controlled centrifugal action, **PPS** actually separates troublesome sand from water before it enters the pump, and before it can grind away at a pumps internal components. Separated sand is then discharged deep into the well. Made of durable carbon steel, **PPS** feature no moving parts to wear out, no screens or filter elements to replace. The PPS is easily installed onto a submersible pump. For pumps flow less than 100 US gpm (23m<sup>3</sup>/hr).

### TECHNICAL CHARACTERISTICS

- Flow range: 100-3, 180 U.S. gpm (23 - 723m<sup>3</sup>/hr)
- See SUB-K model for small submersible pump

### MAIN CHARACTERISTICS

- Reduces pump wear, repair and replacement.
- Extends pump life by four times or more
- Helps maintain optimum pump yield
- Saves on pump energy costs with higher operating efficiency
- Minimises critical pump breakdowns



Head loss: typically, 9-14 ft (2.74-4.27m)  
 Maximum particle size: ¼ inch (6.3mm)  
 Maximum particle concentration: 1,000 ppm

### SPECIFICATIONS AND MODEL NUMBERS - please contact us if you need assistance

Model	Minimum Well I.D.		Flow Range		Outside Diameter		Length with riser & flapper Valve		Riser Size	Weight	Req min submergence
	In	mm	U.S. gpm	M <sup>3</sup> /hr	in	mm	in	mm	N.P.T.	lbs (kg)	Ft (meters)
PPS-100-D	6	152	100-175	23-40	5-5/8	143	88-¾	2245	2-½"	93 (42)	30 (9.2)
PPS-125-E	7	178	125-500	29-57	5-9/16	141	106	2692	3"	142 (64)	30 (9.2)
PPS-150-F	8	203	150-325	34-74	6-5/8	168	120-¾	3054	4"	220 (100)	30 (9.2)
PPS-325-GSA	9-¾	248	325-520	74-118	8-¾	219	214	3150	6"	191 (87)	60 (18.4)
PPS-520-GGA	9-¾	248	520-710	118-161	8-¾	219	130	3302	6"	213 (97)	60 (18.4)
PPS-325-G	10-¾	273	325-650	74-148	8-¾	219	132-¾	3366	6"	267 (121)	30 (9.2)
PPS-600-HSA	12	305	600-910	136-207	10-¾	270	141-¾	3594	8"	281 (128)	60 (18.4)
PPS-800-HHA	12	305	880-1375	200-312	10-¾	270	145-¾	3702	8"	315 (143)	60 (18.4)
PPS-550-H	13-¾	337	550-1110	125-252	10-¾	273	147	3734	8"	390 (177)	30 (9.2)
PPS-1290-ISA	13-¾	337	1290-1700	293-386	10-¾	273	150-¾	3823	8"	393 (178)	60 (18.4)
PPS-825-I	15-¾	387	825-1450	187-329	12-¾	324	154	3912	8"	454 (206)	30 (9.2)
PPS-1460-JSA	15-¾	387	1460-2040	332-463	12-¾	324	158	4013	10"	492 (223)	60 (18.4)
PPS-1010-J	17-¾	438	1010-1800	230-409	14	356	163	4140	10"	526 (239)	30 (9.2)
PPS-1780-KSA	17-¾	438	1780-2420	404-550	14	356	170	4318	10"	575 (261)	60 (18.4)
PPS-1640-K	19-¾	489	1640-2560	373-582	16	406	185	4699	10"	703 (319)	30 (9.2)
PPS-2520-KKA	19-¾	489	2520-3180	573-723	16	204	5182	5182	12"	754 (342)	60 (18.4)



[www.youtube.com/geoquipwater](http://www.youtube.com/geoquipwater)



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