

## Sand Dredging Pump SG/150E



Sand Dredging Pump Model: SG/150E (8/6E-G)

Sand Dredging Pump SG series have been designed to increase the pumpability of frothy slurry. The principle of operation is similar to that of hydrocyclone separation.

Vertical Tank Froth Pumps are supplied with parts in wear resistant high chrome iron alloy, with a nominal hardness of 58-65HRC.

The Sand Dredging Pumps are ideal for all applications involving handling of air entrained slurries, such as flotation froth in base metal concentrators, phosphate and apatite washing plants and calcium carbonate upgrading plants. The pump can also be used as a mixing and distribution unit, where dry powder has to be mixed with water.

### Material Construction:

Description	Standard Material	Optional Material
Impeller	A05	
Door	A05	
Bowl	A05	
Front Cover	A05	
Back Liner	A05	
Shaft	Carbon Steel K1045	SUS304, SUS316(L)
Shaft Sleeve	3Cr13	SUS304, SUS316(L)
Shaft Seal	Gland Packing Seal	Expeller Seal, Mechanical Seal

Application of Sand Dredging Pumps:

Sand and Gravel, Hydraulic Mining, Sugar Beet & Other Root Vegetables, Slag Granulation; Tunnelling.

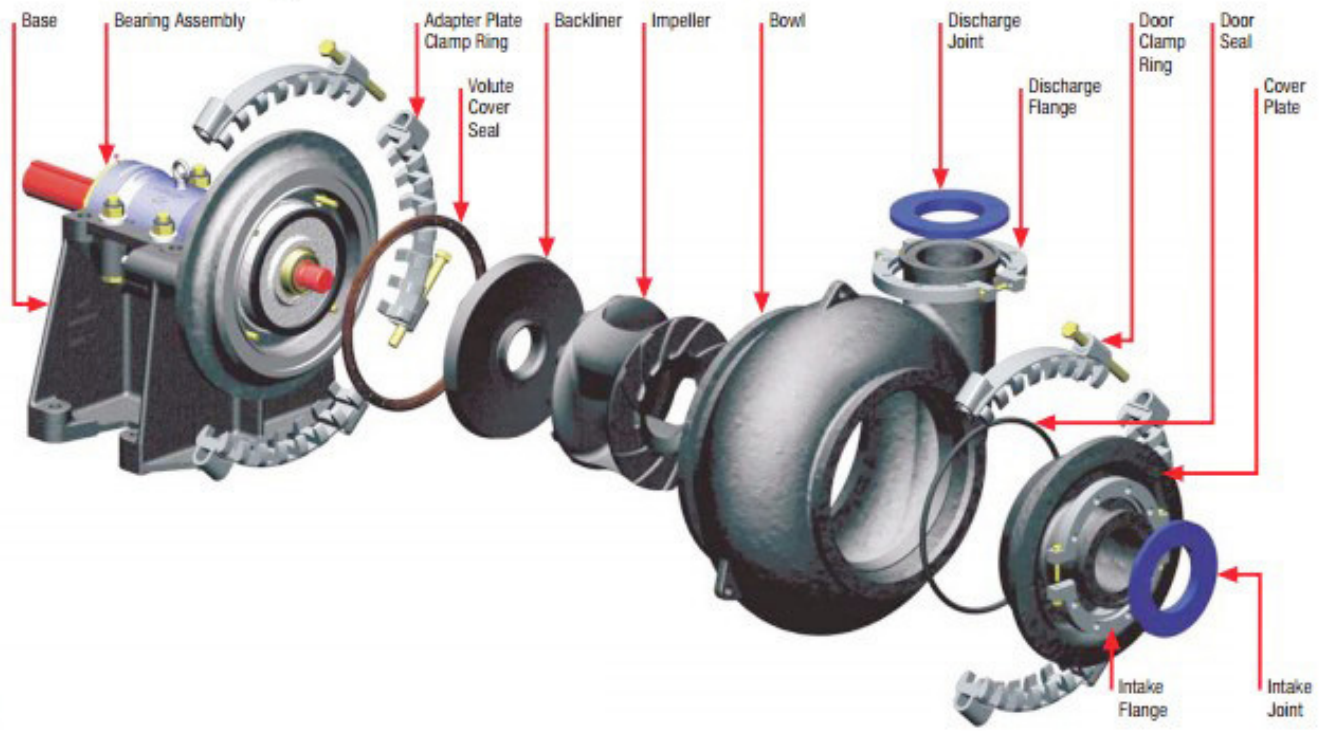
### Specifications:

Pump Model	SxD (inch)	Allowable Max. Power (kw)	Clear Water Performance				Impeller		
			Capacity Q (m <sup>3</sup> /h)	Head H(m)	Speed n(r/min)	Max.Eff. %	NPSH (m)	No. of Vanes	Vane Dia. (mm)
SG/100D	6x4	60	36-250	5-52	600-1400	58	2.5-3.5	3	378
SG/150E	8x6	120	126-576	6-45	800-1400	60	3-4.5		391

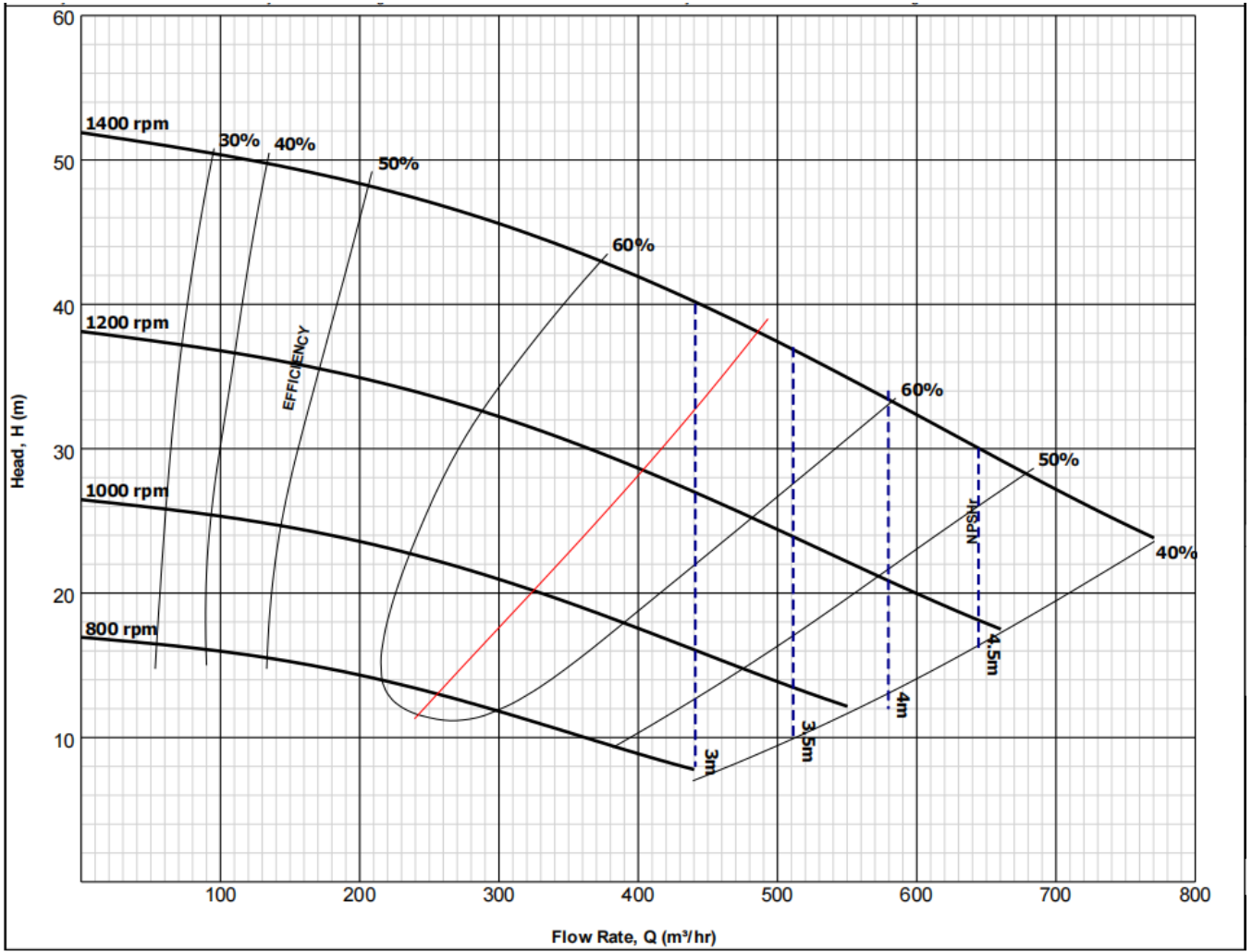
SG/200F	10x8	260	216-936	8-52	500-1000	65	3-7.5		533
SG/250G	12x10	600	360-1440	10-60	400-850	65	1.5-4.5		667
SG/300G	14x12	600	432-3168	10-64	300-700	68	2-8		864
SG/400T	18x16	1200	720-3600	10-50	250-500	72	3-6		1067

Structure:

### Sectional Arrangement



Performance Curve:



Product link : <https://www.qualityslurrypump.com/sand-dredging-pump-sg150e.html>