



AQUARIUS ENGINEERS PVT. LTD.

Concrete Pumps, Batching Plants, Boom Pumps



CONCRETE LINE PUMPS - 1000 & 1400 SERIES



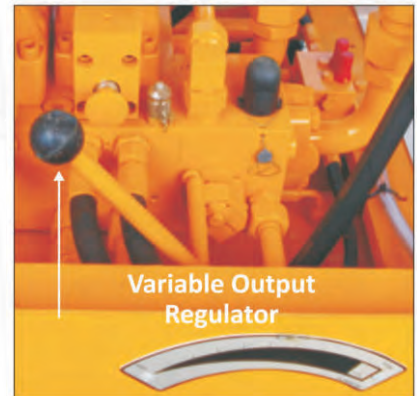
Salient Features:

- ▶ New futuristic look with latest design
- ▶ Completely redesigned with many operation friendly features
- ▶ Substantial noise reduction
- ▶ Low operation cost
- ▶ Powerful agitator
- ▶ Very reliable equipment with long routine maintenance intervals
- ▶ Compact design and least towing length
- ▶ Safe water-cleaning system
- ▶ Hard-faced wear parts for longer life
- ▶ Variable concrete output, from minimum to maximum
- ▶ Uninterrupted operations even if electrical system malfunctions
- ▶ Innovative flap straight design with cleaning port
- ▶ Lower number of strokes
- ▶ Largest core pump in this class with 200 mm diameter concrete cylinder
- ▶ Pump regulator protects the hydraulic system from over- heating & engine from overloading

Added Features:

- ▶ Higher Capacity jack
- ▶ Foot rest for hopper
- ▶ Gas springs and locks for canopy
- ▶ Shifting cylinder cover for better safety
- ▶ Grill provided for engine cover
- ▶ Built-in toolbox
- ▶ Efficient splash guard design
- ▶ Mudguard on tyre
- ▶ Engine hour & Pump hour meter
- ▶ Remote control

Variable Output Regulator



Cylinder Diameter Comparison

AQUARIUS

Concrete Pumps

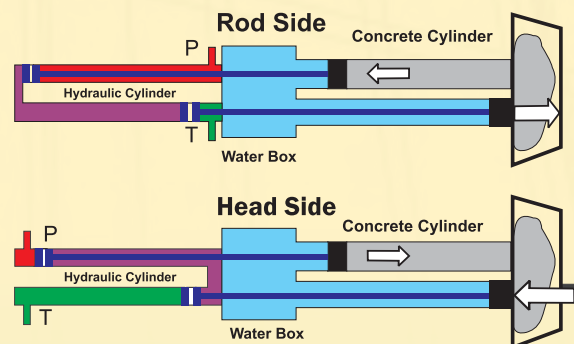


Other Concrete Pumps

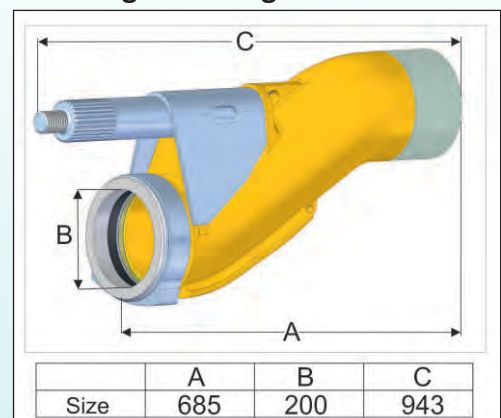
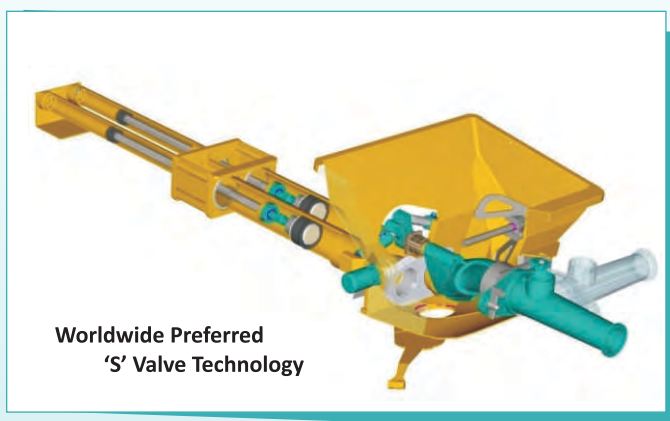


Aquarius Pump Cylinders have larger area than others by 23.5%

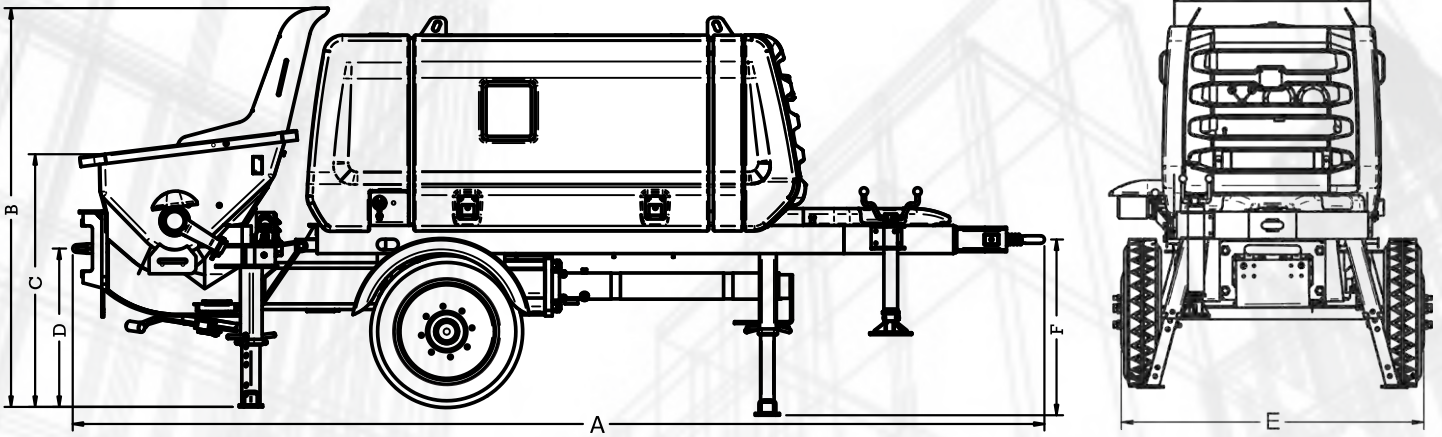
Hydraulic Pressure Application



Largest & Longest 'S' Valve



Trailer Mounted Line Pumps - 1000 Series:



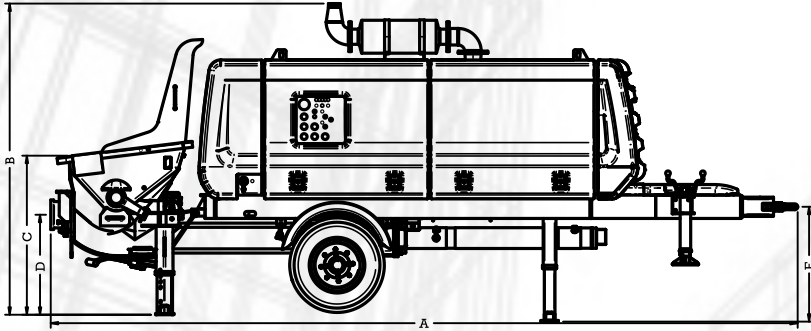
MODEL	A	B	C	D	E	F
1000 Series	5180	2130	1330	845	1730	890

Model Specifications		Unit	1004 D SHP	1003 E
			Diesel Drive	Electric Drive
Prime Mover		kW	49	45
Theoretical Output		m ³ /hr	51/35*	33
Del. Cylinder Diameter		mm	200	200
Del. Cylinder Stroke		mm	1000	1000
No. of Strokes		per min	27/18*	18
Hydraulic Transmission	Rod Side	-	1:4.9	1:4.9
	Head Side	-	1:3.3	-
Concrete Pressure		bar	61/91*	57
Concrete Hopper Capacity		l	500	500
Delivery Distance**	Horizontal	m	400	300
	Vertical	m	100	75

*Values for hydraulic fluid being fed to piston side. **Distances to be read as either horizontal or vertical. The concrete should be pumpable & follows DIN 1405 standard.

Electric Drive Line Pump - 1000 Series:





MODEL	A	B	C	D	E
1400 Series	5778	2140	1360	860	936
1407 HR/HPD/HPD+	6395	2664	1360	860	980



Model Specifications	Unit	1405 D	1407 D	1407 D HR	1400 HPD	1400 HPD+	1400 HPE	1405 E
		Diesel Drive				Electric		
Prime Mover	kW	49	82	132	151	195	110	90
Theoretical Output	m ³ /hr	51/35*	65/45*	65/45*	56/37*	58/39*	39/26*	48/33*
Del. Cylinder Diameter	mm	200	200	200	200	200	200	200
Del. Cylinder Stroke	mm	1400	1400	1400	1400	1400	1400	1400
No. of Strokes	per min	19/13*	25/17*	24/17*	22/14*	22/15*	22/10*	19/12*
Hydraulic Transmission	Rod Side	01:04.9	01:04.9	01:04.9	01:03.03	01:03.03	01:03.03	01:04.9
	Head Side	01:03.3	01:03.3	01:03.3	01:02.04	01:02.04	01:02.04	01:03.3
Concrete Pressure	bar	61/91*	71/106*	71/106*	108/160	116/172*	108/160*	71/106*
Concrete Hopper Capacity	Lit	600	600	600	600	600	600	600
Delivery Distance**	Horizontal	m	500	600	800	1100	1100	600
	Vertical	m	125	150	200	275	300	275

*Values for hydraulic fluid being fed to piston side. **Distances to be read as either horizontal or vertical. The concrete should be pumpable & follows DIN 1405 standard.

Performance of equipment is based on standard working conditions. Design / Specifications can be changed without prior notice.



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