MST
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AF
FORTH PUMPS

AF

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froth pumps

AF design features

Bearing assembly- Bearing assembly of AF series is the same with that of SV , SVR series . Bearing housing is installed with motor frame base or supporting plate ,i.e. pump and moto are connected either directly with couping or through pulley and belt . Pulleys can be exchanged conveniently to adjust the pump rotating speed to satisfy the varying operating condition.

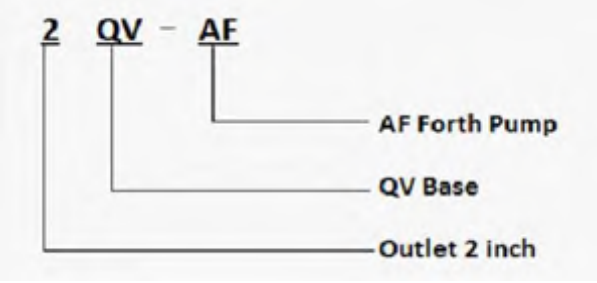
Feeding tank- Feeding tank can be steel,stainless steel or coated with rubber with overflow box and tangential inlet .The former can transmit the excessive incoming slurry back to its pit, while the latter will allow the slurry quickly get into the pump body and make part of the foams disappear.

Double casings structure the pump head .Wetted parts are metal lined, rubber lined or of other non-metallic material according to the different slurries.

AF product feature

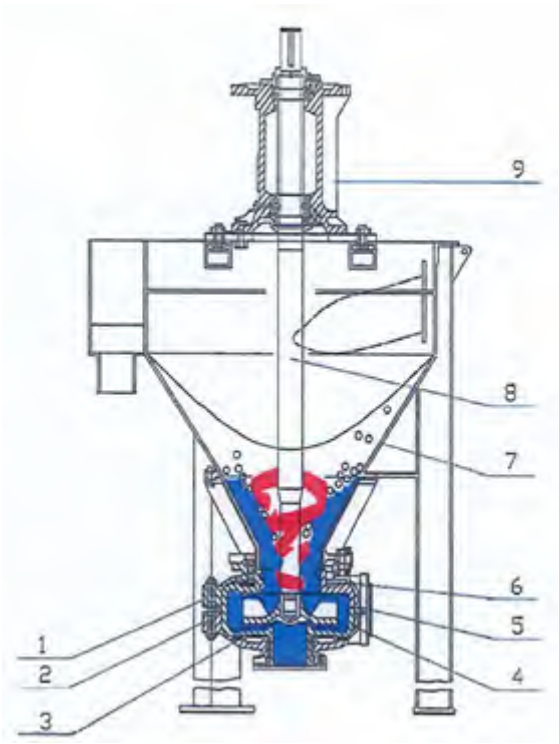
AF series forth pumps are MST newly designed & developed products based on the advanced technology from home and abroad . Being popularized and promoted ; now they are widely used in the metallurgical industrial , mining sector , coal ore and chemical engineering to handle abrasive and corrosive slurries with forth. When operated , AF pumps can effectively eliminate foam and forth in slurry and will also function properly even with inadequate feeding slurry , thus making them the ideal choice for delivering foam slurries, esp, in flotation process.

Type notation



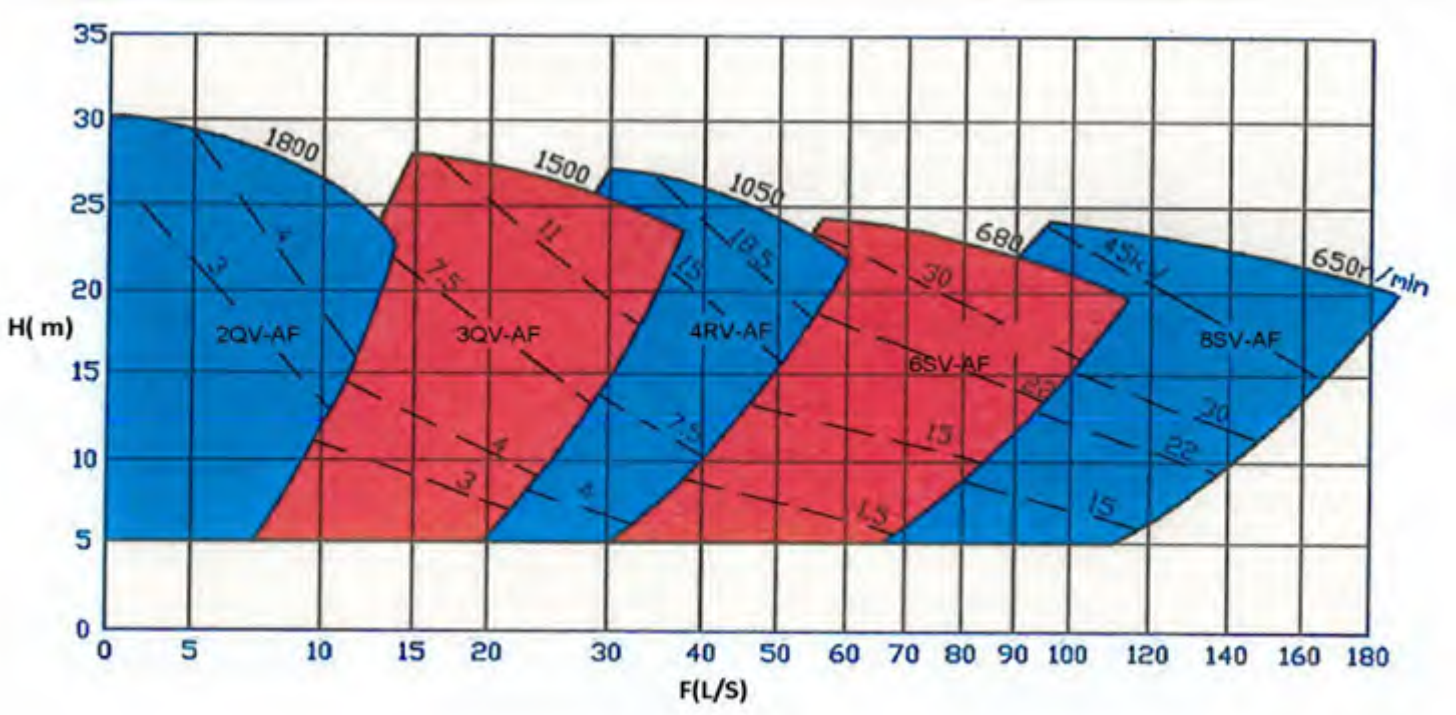
froth pumps

Contruction drawing of froth pump



1.Fame plate
2.Cover plate
3.Cover plate liner insert
4.Volute
5.Impeller
6.Frame plate liner
7.Tank
8.Shaft
9.Bearing housing

Froth pumps section chart



Note:Approximate performance for clear is used for primry selection only

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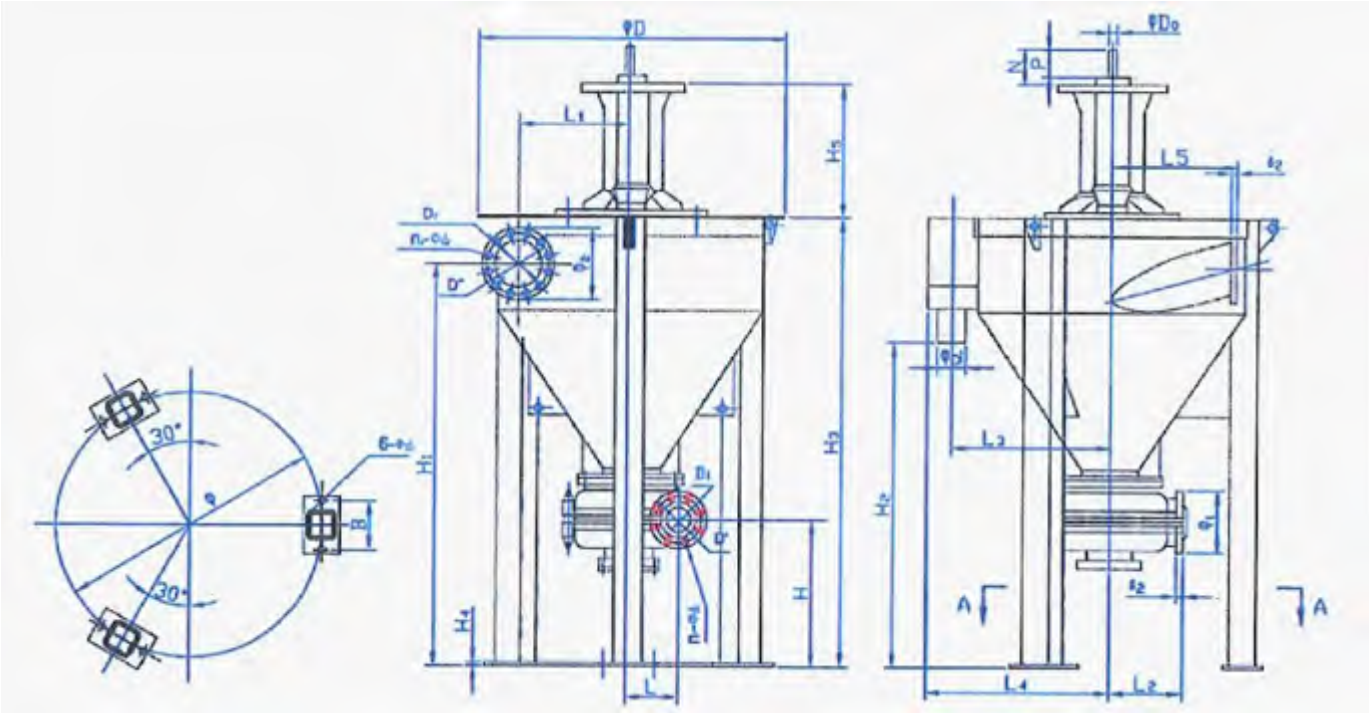
Technical parameters for select pumps

Modal	Capacity (m^3/h)	Head (m)	Speed (r/m)	Eff (%)	Installed with power	Diameter	
						Inlet (mm)	Outlet (mm)
AF/50QV	7.6-42.8	6-29.5	800-1800	45	15	100	50
AF/75QV	23-77.4	5-28	700-1500	55	18.5	150	75
AF/100RV	33-187.2	5-28	500-1050	55	37	150	100
AF/150SV	80-393	5-25	250-680-	55	75	200	150
AF/200SV	126-575	5.5-25.5	350-650	55	110	250	200

Forth Pump Outline Dimension Drawing



Modal	Dimension																			Discharge						Intake flange					
Pump size	H	H_1	H_2	H_3	H_4	H_5	L	L_1	L_2	L_3	L_4	L_5	φ	B	φD	N	P	φd	ϕd_3	ϕO_2	D_1	D'	ϕ_1	n_1	ϕd_1	δ_1	D_2	D''	ϕ_2	n_2	ϕd_2	δ_2
2QV-AF	382	1140	850	850	12	474	138	360	210	480	565	380	800	140	938	174	110	100	19	40	51	146	184	4	19	25	102	178	216	4	19	12
3QV-AF	467	1250	950	1400	12	474	149	354	262	510	635	445	840	140	938	174	110	168	18	40	76	191	229	4	22	27	152	235	279	8	18	16
4RV-AF	506	1720	1310	1810	160	637	229	537	338	740	860	600	1230	230	1444	238	170	150	19	65	102	235	279	4	22	32	203	292	337	8	19	12
6SV-AF	791	2430	1950	2770	20	875	318	696	460	1020	1180	800	1700	300	1970	300	210	219	22	80	152	324	365	8	21	38	305	406	157	12	22	20
8SV-AF							381		470												203	375	432		29	44						