

## Archimedean Screw Pumps PA

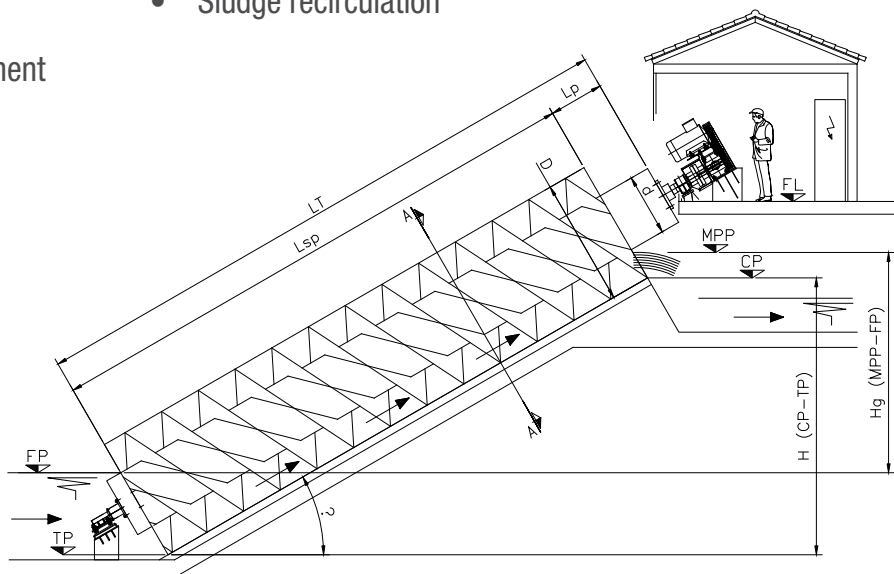


## MORE THAN 1,500 UNITS MANUFACTURED

The Archimedes screw pump is a positive displacement pump capable of satisfying the user's different needs in terms of efficiency, handling, reliability and flexibility. For over forty years, first SPECO and then RONCUZZI have been manufacturing Archimedes screw pumps for the most various applications.

They are used for lifting clear water and waste water, even with the presence of suspended solids, and are used in sectors such as:

- Irrigation
- Drainage
- Rainwater management
- Treatment plants
- Process water management
- Sludge recirculation



**a** = Installation angle (°)  
**Lsp** = Screw length  
**H** = Construction height difference  
**TP** = Contact point  
**FP** = Filling point  
**CP** = Regurgitation point  
**MPP** = Maximum pumping point  
**Hg** = Geodetic head

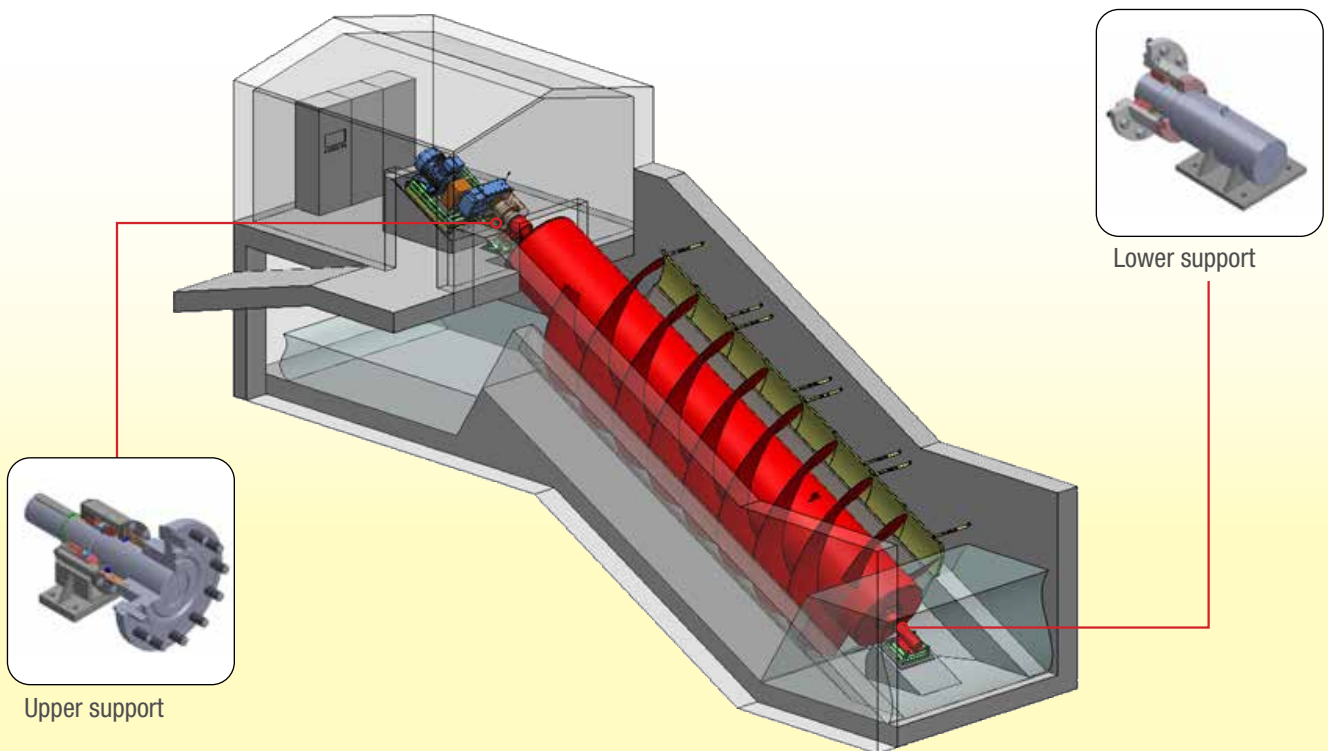
Type	Vite		30° Installation			35° Installation			38° Installation		
	D (mm)	d (mm)	1 propeller Qmax (l/s)	2 propellers Qmax (l/s)	3 propellers Qmax (l/s)	1 propeller Qmax (l/s)	2 propellers Qmax (l/s)	3 propellers Qmax (l/s)	1 propeller Qmax (l/s)	2 propellers Qmax (l/s)	3 propellers Qmax (l/s)
PA800	800	800	86	115	140	54	96	121	47	84	106
PA900	900	900	113	152	185	71	127	159	62	111	139
PA1000	1.000	1.000	144	194	236	91	162	203	79	142	178
PA1100	1.100	1.100	180	243	295	114	203	253	98	177	222
PA1200	1.200	1.200	220	297	361	140	248	310	120	217	272
PA1300	1.300	1.300	251	338	411	159	283	353	137	247	310
PA1400	1.400	1.400	316	426	518	200	356	445	173	311	390
PA1500	1.500	1.500	388	523	636	246	437	546	212	382	479
PA1600	1.600	1.600	432	582	708	274	486	607	236	425	533
PA1700	1.700	1.700	517	697	847	328	582	727	283	509	639
PA1800	1.800	1.800	568	766	931	360	639	799	310	559	702
PA1900	1.900	1.900	667	900	1.094	423	751	939	365	657	824
PA2000	2.000	2.000	726	979	1.190	460	817	1.022	397	715	897
PA2100	2.100	2.100	840	1.132	1.377	533	946	1.182	459	827	1.038
PA2200	2.200	2.200	962	1.297	1.576	610	1.083	1.353	526	946	1.188
PA2300	2.300	2.300	1.036	1.397	1.698	657	1.166	1.458	566	1.020	1.280
PA2400	2.400	2.400	1.111	1.497	1.820	704	1.250	1.562	607	1.093	1.372
PA2500	2.500	2.500	1.188	1.602	1.947	753	1.337	1.671	649	1.169	1.468
PA2600	2.600	2.600	1.340	1.806	2.196	850	1.508	1.885	732	1.319	1.655
PA2700	2.700	2.700	1.500	2.022	2.459	951	1.689	2.110	820	1.476	1.853
PA2800	2.800	2.800	1.594	2.149	2.612	1.011	1.794	2.243	871	1.569	1.969
PA2900	2.900	2.900	1.770	2.387	2.902	1.123	1.993	2.491	968	1.742	2.187
PA3000	3.000	3.000	1.870	2.521	3.065	1.186	2.105	2.631	1.022	1.841	2.310
PA3100	3.100	3.100	1.973	2.660	3.234	1.251	2.221	2.776	1.079	1.942	2.438
PA3200	3.200	3.200	2.175	2.932	3.564	1.379	2.448	3.060	1.189	2.140	2.687
PA3300	3.300	3.300	2.286	3.082	3.747	1.450	2.574	3.216	1.250	2.250	2.824
PA3400	3.400	3.400	2.400	3.235	3.933	1.522	2.701	3.376	1.312	2.362	2.965
PA3500	3.500	3.500	2.626	3.541	4.305	1.666	2.957	3.695	1.436	2.585	3.245

\*Other dimensions and installation angles available on request

## Benefits

- ✓ Possibility of use in polluted water with the presence of solids
- ✓ High efficiency at varying flow rates and operation even at low load levels
- ✓ Virtually constant performance throughout the life of the machine (even over 20 years)
- ✓ Minimum maintenance
- ✓ Wide range of flow rates

## Technical Features



## Options

- Steel liner for easy installation
- Self-supporting compact steel liner





# Application



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