

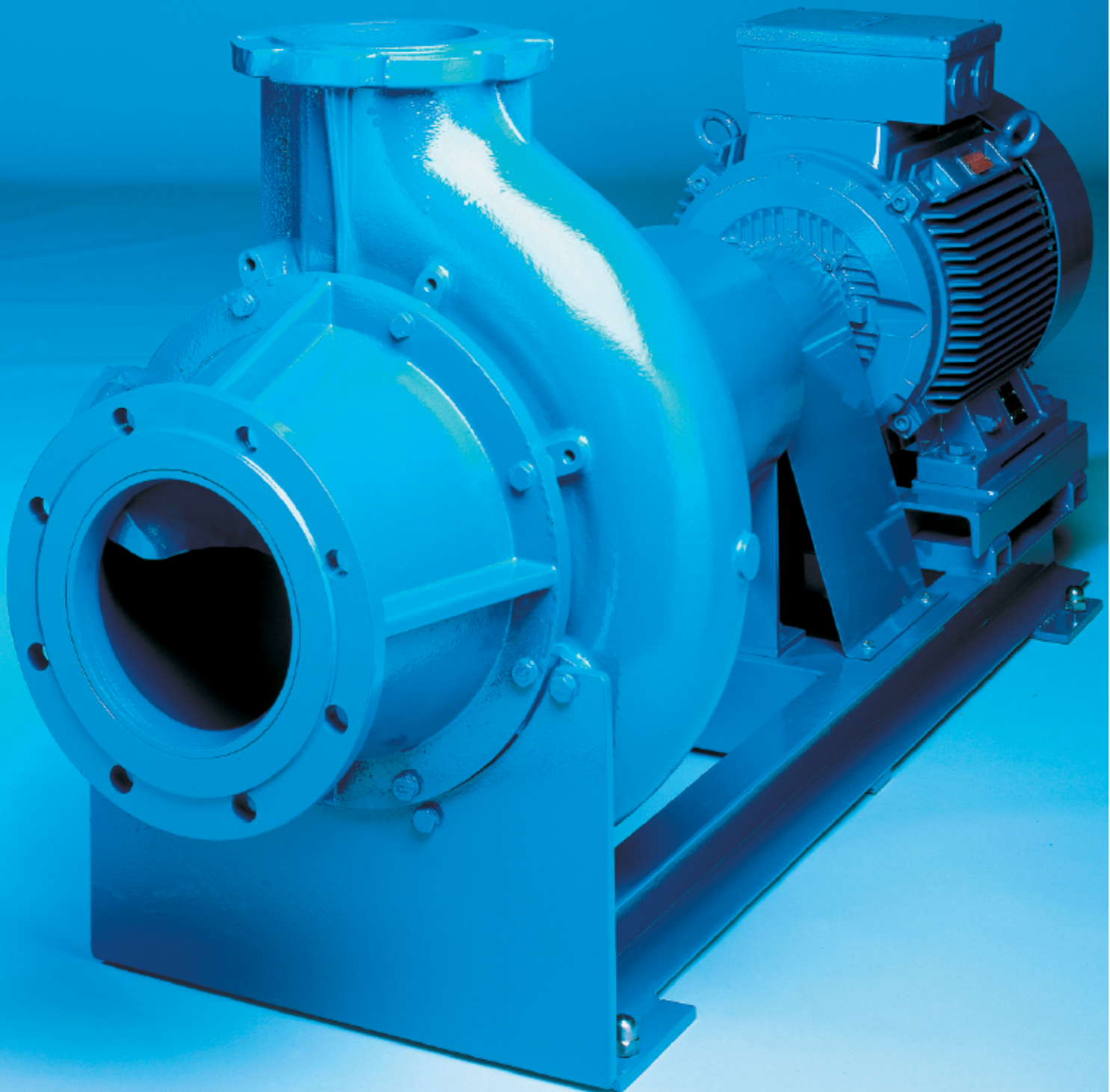
SCREW CHANNEL PUMPS



**POWER PUMPS
AND ENGINEERING**

DON'T GET TANGLED

Power Pumps and Engineering recommends HUS Screw Channel Pumps for tangle free operation when pumping thick or polluted fluids. Suitable for a wide variety of applications, including Water Treatment, Food and Beverage and Agriculture, HUS Screw Channel Pumps are the perfect solution for all blocking and roping issues.



THE PROBLEM SOLVER: HUS SCREW CHANNEL PUMPS

FEATURES AND ADVANTAGES

- High efficiency, BEP > 70%
- Insensible for clogging, also when pumping long fibred fluids
- Insensitive to viscosity changes
- Suitable for gas containing media
- Low energy and maintenance costs
- Double mechanical seal with controllable oil chamber
- Dry or submersible pumping
- Can handle solids up to 13%

APPLICATIONS

- Agriculture
- Beverage Industry
- Breweries and Malteries
- Coal-fired, oil-fired nuclear power plants
- Composting and recycling processes
- Food
- Paper industry
- Sugar industry
- Sewage water treatment plants
- Wastewater treatment plants

COMPARATIVE TESTS HAVE SHOWN THAT THE PATENTED HUS SCREW CHANNEL PUMP ACHIEVES THE BEST EFFICIENCY IN COMPARISON WITH OTHER PUMP SYSTEMS OF THE SAME SIZE.

PUMP MODELS

The HUS Screw Channel Pump is available in six sizes from 50 – 200mm.

FLOW RANGE max 1500 m³/h

HEAD max 75 mwc

Series S Standard construction

With shaft sealing

Series V Patented cantilever version

Without the need of a shaft seal for high abrasive liquids

MODEL B CLOSE COUPLED

Type BH base plate mounted

Close couple on horizontal base plate

Type BV Vertical execution

Close coupled on a duck foot stand



MODEL T SUBMERSIBLE

Type TA Submersible pump

For water purification with an automatic coupled pedestal

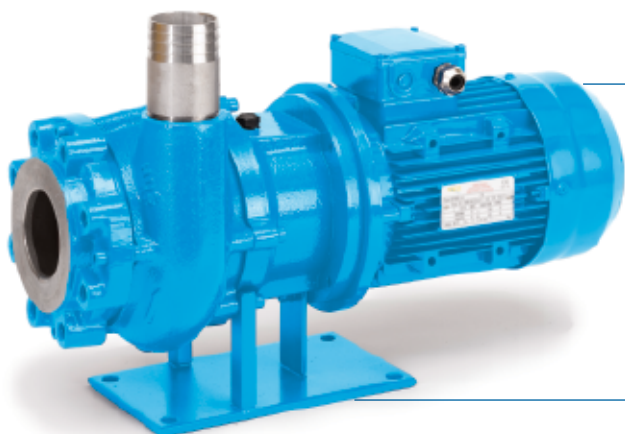
Type TP Portable submersible pump on foot



MODEL L LONG COUPLED

Type L Standard long coupled

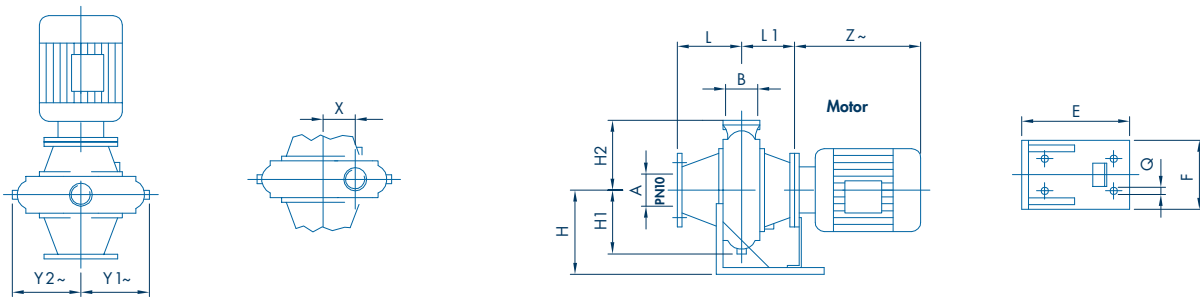
Type LV Long coupled with V belt drive



MATERIALS OF CONSTRUCT

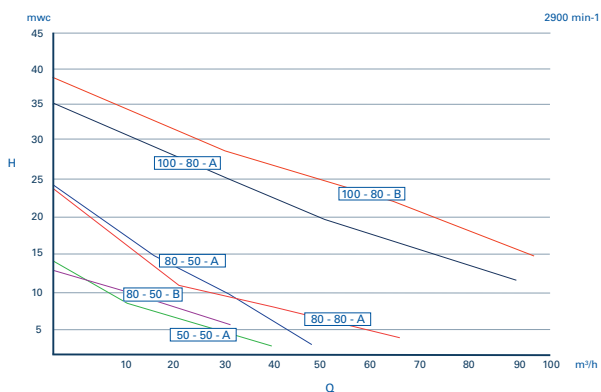
	Standard	Stainless
Housing	GG	SS 316 (1.4408)
Impeller	GGG	SS 316 (1.4408)
Back Housing	GG	SS 316 (1.4408)
Shaft	1.4021	SS 316 (1.4408)

TECHNICAL DETAILS - B SERIES

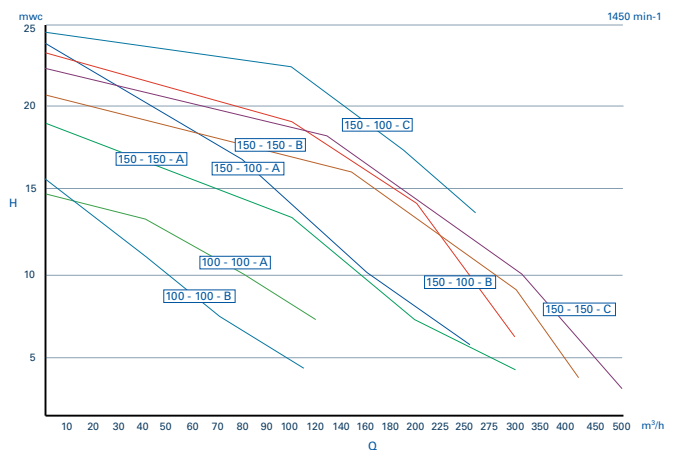


TYPE	CONNECTIONS		FLOW		BEP H	BEP Qopt.(m³/h)	IMPELLER Type	MOTOR Max. kW
	Suction	Discharge	rpm	Max.m³/h				
50-50-A	50	50	2900	39	62	22	A	1.5
80-50-A	80	50	2900	48	71	31	A	1.5
80-50-B	80	50	2900	32	69	25.1	B	3
80-80-A	80	80	2900	65	73	42.5	A	3
100-80-A	100	80	2900	87	62	56.5	A	5.5
100-80-B	100	80	2900	96	62	69	B	5.5
100-100-A	100	100	1450	108	78	72	A	5.5
100-100-B	100	100	1450	118	73	79	B	4
150-100-A	150	100	1450	252	76	170	A	5.5
150-100-B	150	100	1450	295	76	190	B	5.5
150-100-C	150	100	1450	270	69	155	C	5.5
150-150-A	150	150	1450	320	76	210	A	15
150-150-B	150	150	1450	440	77	280	B	15
150-150-C	150	150	1450	500	77	300	C	22
200-150-A	200	150	1450	620	78	400	A	30
200-150-B	200	150	1450	720	78	490	B	37
250-200-A	250	200	1450	1030	78	750	A	90
250-200-B	250	200	1450	800	75	530	B	75
250-200-C	250	200	1450	950	75	630	C	55

FLOW RANGE < 100 M³/H



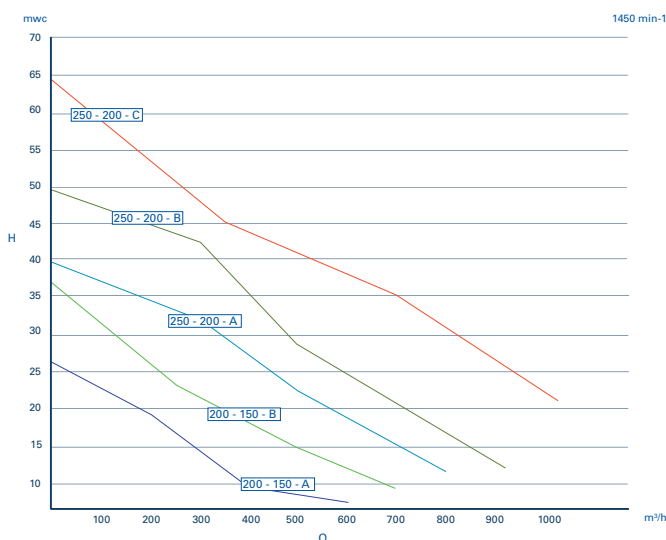
FLOW RANGE 100-500 M³/H



TECHNICAL DETAILS – B SERIES

TYPE	A	B	E	F	H	H1	H2	L	L1	Q	X	Y1	Y2	Z-/KW IEC	MOTOR/ CLASS
50-50	50	2"	250	150	160	110	105	98	164	14	70	110	110	250/1.1	70/80
80-50	80	2"	-	-	-	-	-	-	-	-	-	98	115	270/1.5	90
80-80	80	80	250	150	160	120	150	98	170	14	0	98	115	270/2.2	90
100-80	100	80	350	300	240	160	220	135	223	14	0	170	145	270/1.5	90
-	-	-	-	-	-	-	-	-	285	-	-	-	-	420/5.5	132
100-100	100	100	400	300	290	188	250	173	224	14	0	202	170	320/3	100
-	-	-	-	-	-	-	-	-	300	-	-	-	-	420/5.5	132
150-100	150	100	500	400	330	190	250	257	300	14	0	200	170	492/11	160
-	-	-	-	-	-	-	-	-	300	-	-	-	-	533/15	160
-	-	-	-	-	-	-	-	-	251	-	-	-	-	400/5.5	132
150-150	150	150	500	400	330	240	300	253	296	14	0	256	196	492/11	160
-	-	-	-	-	-	-	-	-	296	-	-	-	-	533/15	160
-	-	-	-	-	-	-	-	-	262	-	-	-	-	400/5.5	132
200-150	200	150	750	500	400	225	300	340	345	20	0	225	225	669/22	180
-	-	-	-	-	-	-	-	-	370	-	-	-	-	669/30	200
-	-	-	-	-	-	-	-	-	427	-	-	-	-	725/37	225
-	-	-	-	-	-	-	-	-	345	-	-	-	-	492/15	160
250-200	250	200	750	500	400	365	450	390	443	20	0	414	320	742/55	250
-	-	-	-	-	-	-	-	-	443	-	-	-	-	938/75	280
-	-	-	-	-	-	-	-	-	443	-	-	-	-	938/90	280

FLOW RANGE < 500 M³/H



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