PMC INOX

National Institute of Public Health NIH – National Research Institute Hygienic Certificate







PMC INOX centrifugal, single-stage open impeller pumps
The pumps are designed for pumping contaminated liquids and media containing solids with a diameter not exceeding 18 mm. The pumps are used in industry and agriculture. The pumps can operate in both horizontal and vertical positions.

APPLICATION:

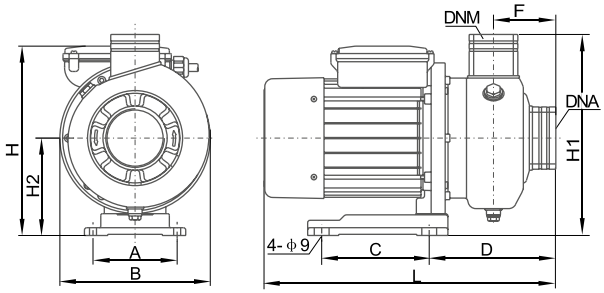
- Food industry: in washing and cleaning machines, to transport food liquids, transferring slurry in processing, vegetable food transfer, fish farms
- Metallurgical industry: material purification, process water systems
- Textile industry: can be applied in dye houses, industrial laundries
- Manufacturing industry: cleaning of bottles, cans, glass, transfer of paint liquids, dosing and mixing, compound machines
- Agriculture: the pumps can be used for transferring moderately viscous liquids with low aggressiveness. They can be used to pump fertilizers. Also used in irrigation and drainage applications
- Public utility facilities: air conditioning systems, purification systems, heating systems, refrigeration systems, swimming pools, water treatment systems
- Washing and cleaning: nano, micro and ultra filtration systems, softening, ionization, demineralization systems, desalination systems, distillation systems, separators
- Chemical and pharmaceutical industry

TECHNICAL SPECIFICATIONS:

- Liquid temperature for PMC: 15–104°C
- Ambient temperature: up to 50°C
- Max. system pressure: up to 10 bar
- Protection grade: IP55
- Winding insulation class: 155 (F)
- Motor speed: 2900 RPM

MATERIALS:

- Motor: asynchronous, squirrel cage, closed structure, aluminium housing, external ventilation
- Shaft: AISI 304 stainless steel
- Housing: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Interwall: AISI 304 stainless steel
- Mechanical seal: graphite / silicon carbide / NBR

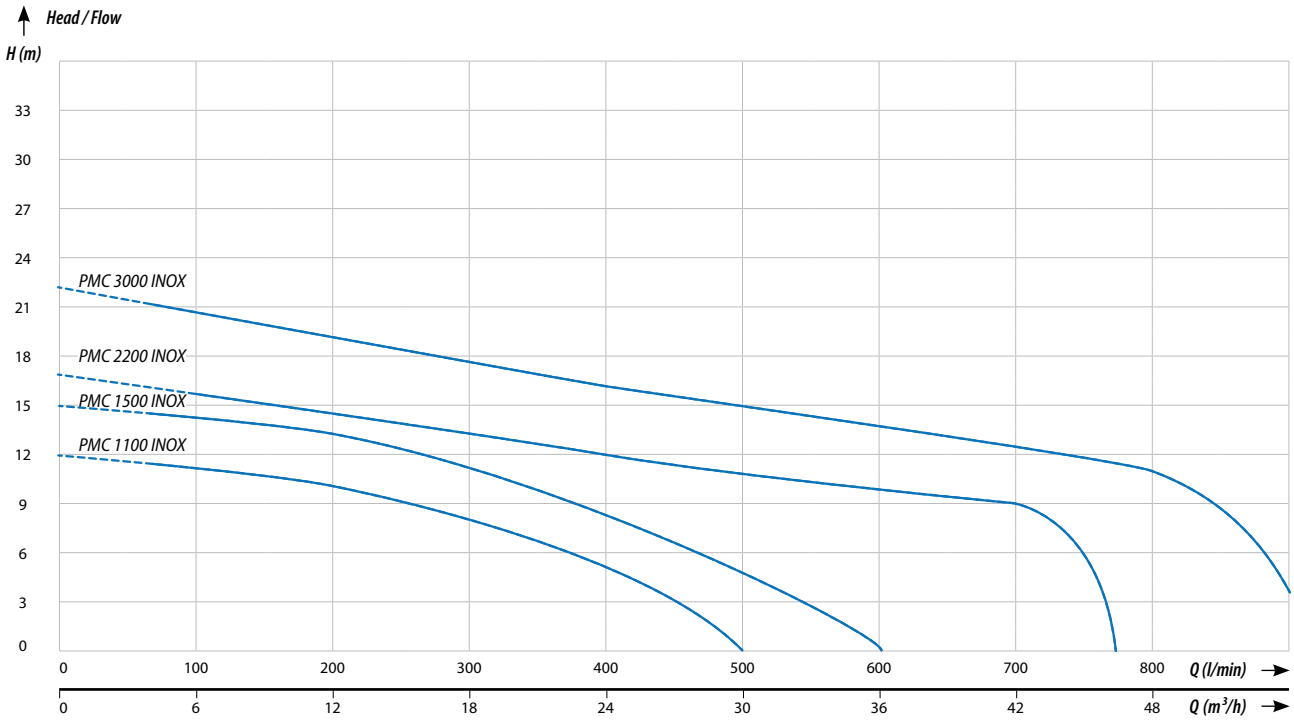


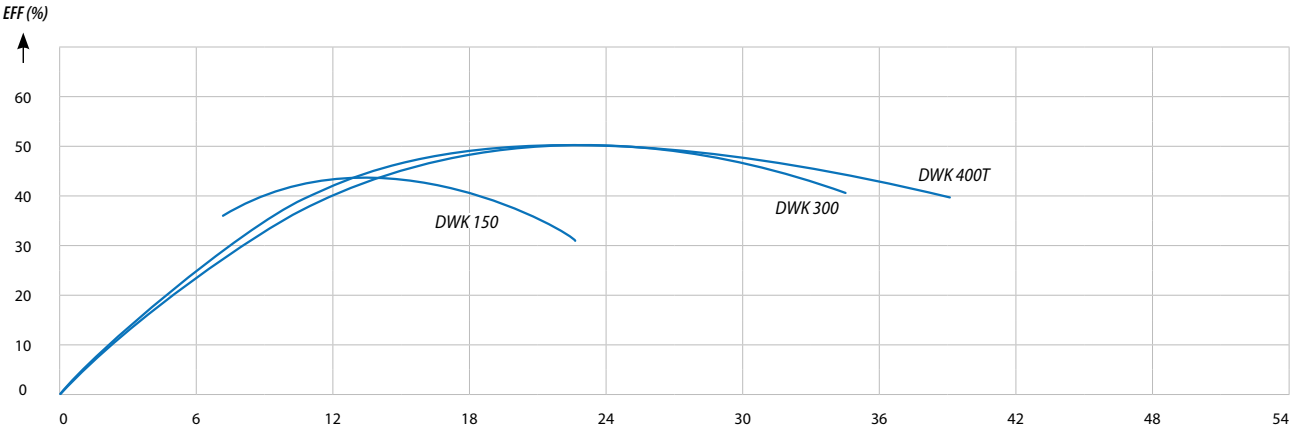


Model	Dimensions (mm)										
	A	B	C	D	F	L	H	H1	H2	DNM	DNA
PMC 1100 INOX	108	193	138	165	82	378	242	258	125	G2	G2
PMC 1500 INOX	108	193	138	165	82	378	242	258	125	G2	G2
PMC 2200 INOX	108	193	138	165	82	413	242	258	125	G2½	G2
PMC 3000 INOX	108	193	138	165	82	430	242	258	125	G2½	G2

PMC INOX cont.

Model	Power (kW)	Flow	l/min	0	100	200	300	400	500	600	700	800
			m^3/h	0	6	12	18	24	30	36	42	48
PMC 1100 INOX	1,1	H (m)		12	11,5	10	7,5	5	–	–	–	–
PMC 1500 INOX	1,5			15	14	13	10,5	9	6	–	–	–
PMC 2200 INOX	2,2			17	16,5	16	15	13,5	11	10	9	–
PMC 3000 INOX	3			22	20	19	17,5	16,5	15	13	12	11





Model	Head (m)	Flow (l/min)	Motor power (kW)	Power supply (V)	Current consumption (A)	Ports (inches)	Weight (kg)
PMC 1100 INOX	12	500	1,1	230 / 400	7 / 2,6	2 × 2	14,5 / 13
PMC 1500 INOX	15	600	1,5	230 / 400	9,2 / 3,3	2 × 2	16 / 14
PMC 2200 INOX	17	770	2,2	230 / 400	14 / 4,7	2½ × 2	20,5 / 18
PMC 3000 INOX	22	930	3	400	6	2½ × 2	22