

SIDE CHANNEL PUMP

EP NIRO

05/2022

Side channel pumps are suitable for pumping pure solid-free liquids with viscosities up to 100 cSt. The pumps are available with various motors (AC in single and three-phase versions, DC) or with pulley for V-belt drive. They can be operated bi-directionally. The single-phase motors have an additional switch to change the rotating direction. All pump types are available with both mechanical seals or shaft seals. On request, the pump can be assembled with a bypass to regulate the flow rate. A trolley to ease in transporting the unit is available for all types as well.

EP NIRO - FOR ACIDS AND FOODSTUFFS

ZUWA's self-priming pumps made of stainless steel are especially suitable for abrasive and corrosive fluids as well as food products.

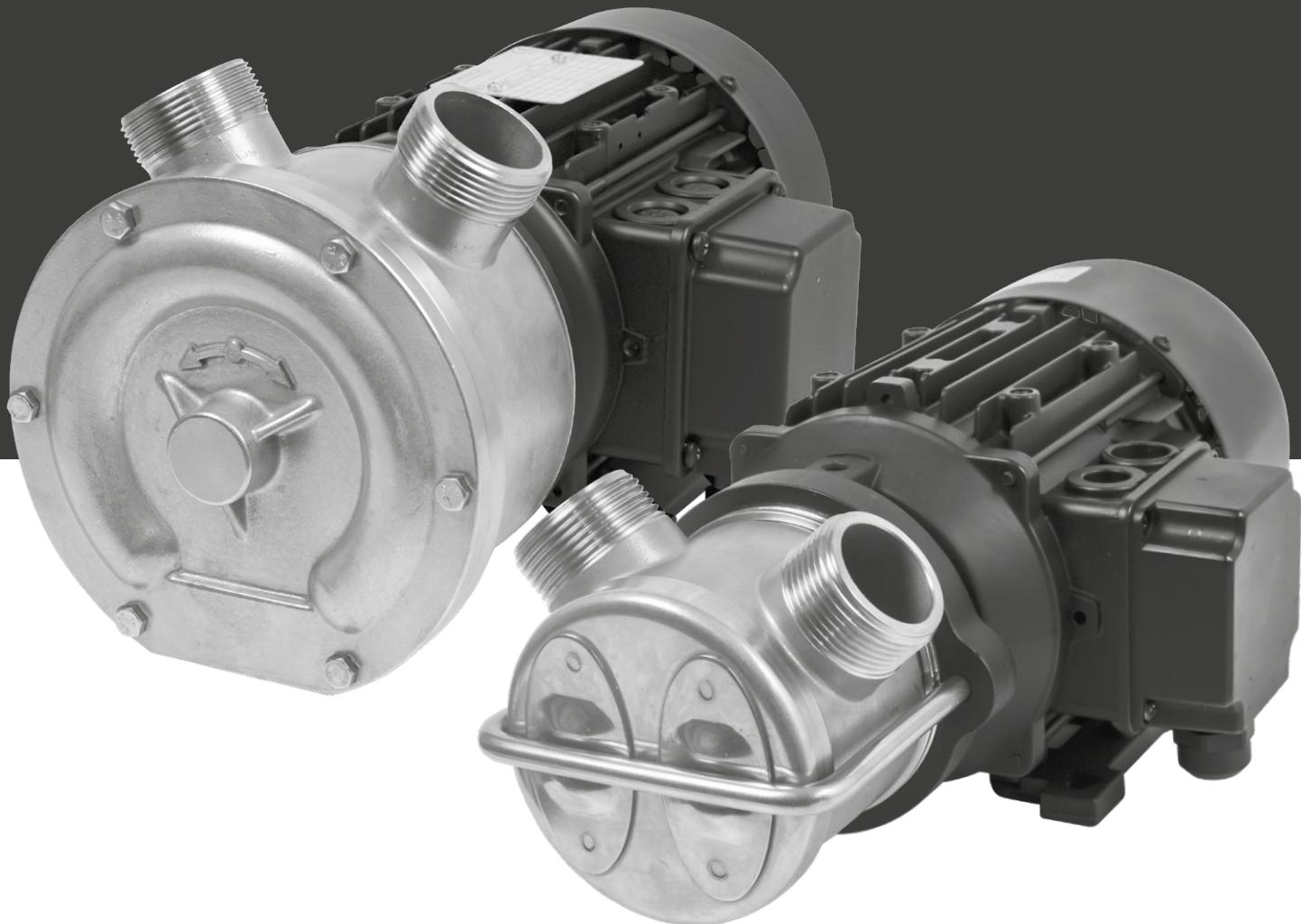
PERFORMANCE FEATURES

- / Self-priming
- / Suction lift up to 6m
- / Pulsation-free delivery
- / Short dry run possible
- / Fluid temperatures up to 120°C

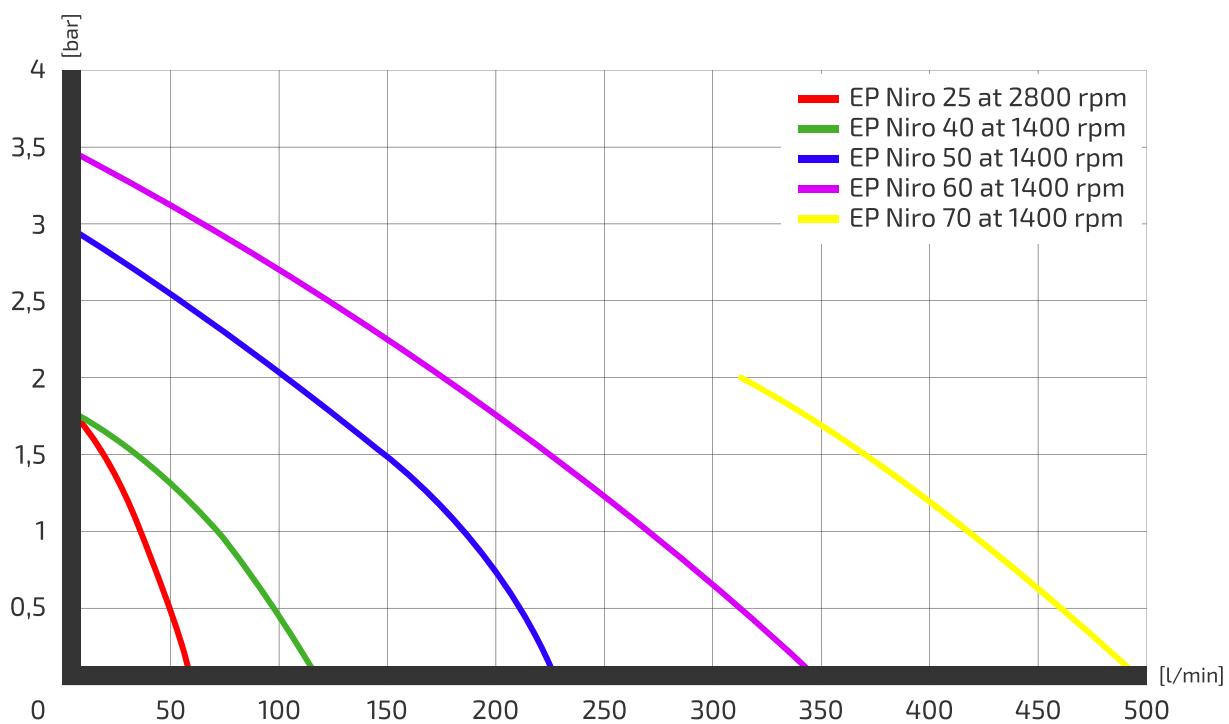
TYPICAL APPLICATIONS

- / Food and beverage processing (milk, whey, wine, beer, fruit juice)
- / Acids and alkalis
- / Water, salt water
- / Diesel, oils, fuel oil

 **SELECTED MODELS ARE ALSO AVAILABLE IN ATEX VERSION!**



CHARACTERISTIC CURVES



PUMPS WITH SINGLE- OR THREE-PHASE MOTOR

MODEL	MOTOR			RPM	FLOW RATE MAX.	PUMP HEAD MAX.	HOSE CONNECTION	WEIGHT	ART. NO.
	KW	V	A						
EP Niro220/25	0,45	230	4	2800	52 l/min	17m	1 1/4", DN 30	9,5 kg	180025
EP Niro400/25	0,56	400	2	2800	52 l/min	17m	1 1/4", DN 30	9,6 kg	180014
EP Niro220/40	1,1	230	6,4	1400	120 l/min	17m	1 1/2", DN 40	17,5 kg	180028
EP Niro400/40	1,1	400	2,8	1400	120 l/min	17m	1 1/2", DN 40	17,6 kg	180039
EP Niro220/50	1,86	230	12,1	1400	230 l/min	30m	2", DN 50	27,5 kg	180029
EP Niro400/50	1,86	400	4,41	1400	230 l/min	30m	2", DN 50	26,5 kg	180035
EP Niro400/60	4,0	400	8,47	1400	350 l/min	35m	2", DN 50	42 kg	180045
EP Niro400/70	5,5	400	11,8	1400	500 l/min	20m	3", DN 70	75 kg	180036
EP Niro400/80	15	400	16,8	1400	900 l/min	55m	3", DN 70	210 kg	180046

PUMP WITH DC MOTOR*

MODEL	MOTOR			RPM	FLOW RATE MAX.	PUMP HEAD MAX.	HOSE CONNECTION	WEIGHT	ART. NO.
	KW	V	A						
EP Niro12/25	0,37	12	32	2000	43 l/min	10m	1 1/4", DN 30	9,1 kg	180027
EP Niro24/25	0,37	24	20	2000	43 l/min	10m	1 1/4", DN 30	9,3 kg	180021
EP Niro24/40	1,12	24	45	1400	120 l/min	22m	1 1/2", DN 40	19,9 kg	180013

*Not suitable for continuous duty

V-BELT DRIVE WITH BEARING FRAME OR NAUTIC VERSION

MODEL	RPM	FLOW RATE MAX.	PUMP HEAD MAX.	HOSE CONNECTION	WEIGHT	ART. NO.
EP Niro/K40	1400	120 l/min	22m	1 1/2", DN 40	7,4 kg	180207
EP Niro/K50	1400	230 l/min	30m	2", DN 50	12,8 kg	180208
EP Niro/K70**	1400	500 l/min	40m	2 1/2", DN 70	25,3 kg	180211

**only available in the NAUTIC version

K40 and K50 models are also available with electromagnetic clutch