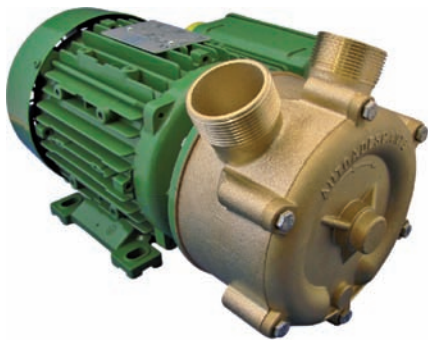




## Side Channel Centrifugal Pumps Bronze

*high capacity pumps for various applications*



EP Bronze



with C-coupling\*



with GEKA coupling\*

\* couplings available on option



EP for V-belt drive  
with pedestal

The self-priming ZUWA side channel centrifugal pumps, constructed of bronze, are suitable for all fluids with a temperature up to 70°C without solids or abrasive particles. The pumps are available with various motors (AC, DC and three-phase current) or with V-belt pulley for V-belt drive. They operate in both senses. The 230-Volt motors in addition are equipped with a change-over switch to change the direction of rotation.

All types are alternatively available with rotary shaft seal or floating ring seal.

Optional accessories for all types: Regulation valve (bypass) for flow control and trolley for easy transport.

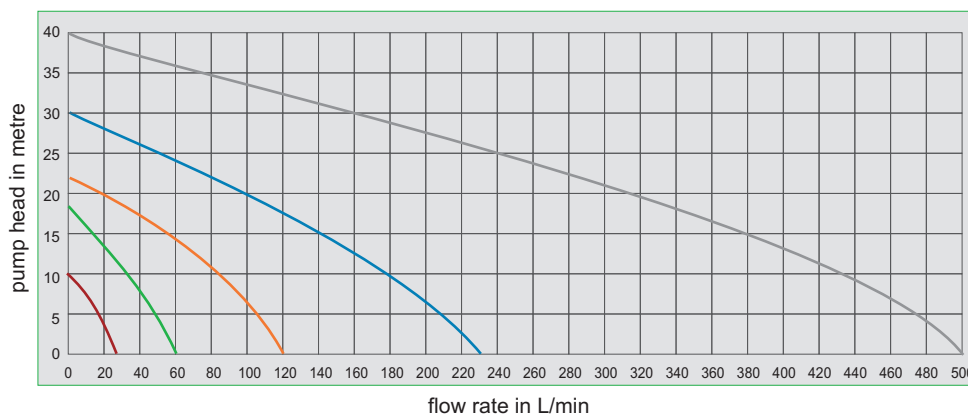
### ■ Features

- self-priming
- suction height max. 6 metre
- pulsationfree transport
- tolerates short dry-run

### ■ Applications

- water, sea water
- oils, fuel oil
- diesel
- beverages (e.g. wine, milk)

### ■ Performance curves



- EP.../20 with 2800 rpm
- EP.../25 with 2800 rpm
- EP.../40 with 1400 rpm
- EP.../50 with 1400 rpm
- EP.../70 with 1400 rpm

# Technical Details

## ■ Pumps with AC motor or threephase current motor

Type	Order no.	Rpm	Pump head	Flow rate L/min	Hose connection	Volt	kW	Weight
EPm220/20	180009	2800	15 m	30	¾", Ø 19 mm	230 V	0,22	5,6 kg
EPt400/20	180018	2800	15 m	30	¾", Ø 19 mm	400 V	0,22	5,6 kg
EPm220/25	180010	2800	18 m	60	1", Ø 25 mm	230 V	0,45	9,2 kg
EPt400/25	180011	2800	18 m	60	1", Ø 25 mm	400 V	0,45	9,2 kg
EPm220/40	180020	1400	22 m	120	1½", Ø 40 mm	230 V	0,75	16 kg
EPt400/40	180032	1400	22 m	120	1½", Ø 40 mm	400 V	0,75	16 kg
EPm220/50	180030	1400	30 m	230	2", Ø 50 mm	230 V	1,5	26 kg
EPt400/50	180031	1400	30 m	230	2", Ø 50 mm	400 V	1,5	26 kg
EPt400/70	180012	1400	40 m	500	2¾", Ø 70 mm	400 V	5,5	75 kg

## ■ Pumps with DC motor

Type	Order no.	Rpm	Pump head	Flow rate L/min	Hose connection	Volt	kW	Weight
EPcc12/20	180001	2000	10 m	25	¾", Ø 19 mm	12 V	0,3	5,8 kg
EPcc24/20	180002	2000	10 m	25	¾", Ø 19 mm	24 V	0,3	5,5 kg
EPcc12/25	180003	2000	12 m	53	1", Ø 25 mm	12 V	0,5	9,8 kg
EPcc24/25	180005	2000	12 m	53	1", Ø 25 mm	24 V	0,5	9,4 kg
EPcc24/40	180004	1400	22 m	120	1½", Ø 40 mm	24 V	1,5	28 kg

DC motors are not designed for continuous duty.

## ■ Pumps for V-belt drive with pedestal or type NAUTIC

Type	Order no.	Rpm	Pump head	Flow rate L/min	Hose connection
EP/K20	180201	2800	15 m	30	¾", Ø 19 mm
EP/K25	180202	2800	18 m	60	1", Ø 25 mm
EP/K30	180204	1400	18 m	75	1¼", Ø 30 mm
EP/K40	180205	1400	22 m	120	1½", Ø 40 mm
EP/K50	180206	1400	30 m	230	2", Ø 50 mm

The types K30, K40 and K50 are also available with elektromagnetic clutch, type NAUTIC in addition with clutch lever for manual operation.



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# Side Channel Centrifugal Pumps Stainless Steel

*for acids and beverages*



*EP for V-belt drive  
with pedestal*



*EP Niro*



*EP NIRO on trolley*

The self-priming ZUWA side channel centrifugal pumps, constructed of stainless steel, are particularly suitable for aggressive and corrosive media and for edibles. The pumps are available with various motors (AC, DC and three-phase current) or with V-belt pulley for V-belt drive. They operate in both senses. The 230-Volt motors in addition are equipped with a change-over switch to change the direction of rotation. All types are alternatively available with rotary shaft seal or floating ring seal. Optional accessories for all types: Regulation valve (bypass) for flow control and trolley for easy transport.

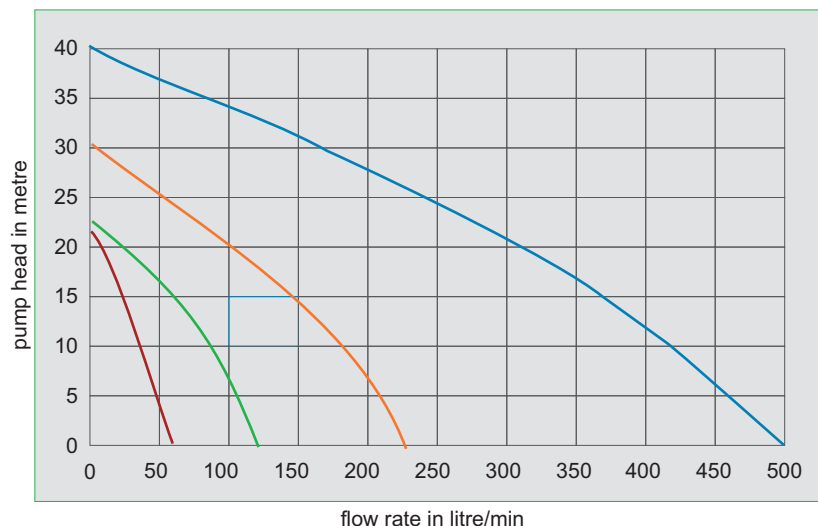
## ■ Features

- self-priming
- suction height max. 6 Meter
- pulsationsfree transport
- tolerates short dry-run

## ■ Applications

- beverages (e.g. wine, milk)
- acids
- water, sea water
- oils, fuel oil
- diesel

## ■ Performance curves



- EP NIRO 400/70 with 1400 rpm
- EP NIRO 220/50 with 1400 rpm
- EP NIRO 220/40 with 1400 rpm
- EP NIRO 220/25 with 2800 rpm

## Technical Details

### ■ Pumps with AC motor or threephase current motor

Type	Order no.	Rpm	Pump head	Flow rate L/min	Hose connection	Volt	kW	Weight
EP NIRO 220/25	180025	2800	20 m	58	1¼", Ø 30 mm	230 V	0,6	9,5 kg
EP NIRO 400/25	180014	2800	20 m	58	1¼", Ø 30 mm	400 V	0,6	9,5 kg
EP NIRO 220/40	180028	1400	22 m	120	1½", Ø 40 mm	230 V	1	18 kg
EP NIRO 400/40	180039	1400	22 m	120	1½", Ø 40 mm	400 V	1	18 kg
EP NIRO 220/50	180029	1400	30 m	230	2", Ø 50 mm	230 V	2	28 kg
EP NIRO 400/50	180035	1400	30 m	230	2", Ø 50 mm	400 V	2	28 kg
EP NIRO 400/70	180036	1400	40 m	500	2¾", Ø 70 mm	400 V	5,5	75 kg

### ■ Pumps with DC motor

Type	Order no.	Rpm	Pump head	Flow rate L/min	Hose connection	Volt	kW	Weight
EP NIRO 12/25	180027	2000	10 m	43	1¼", Ø 30 mm	12 V	0,5	9,5 kg
EP NIRO 24/25	180021	2000	10 m	43	1¼", Ø 30 mm	24 V	0,5	9,5 kg
EP NIRO 24/40	180013	1400	22 m	120	1½", Ø 40 mm	24 V	1,12	19,9 kg

DC motors are not designed for continuous duty.

### ■ Pumps for V-belt drive with pedestal or type NAUTIC

Type	Oder no.	Rpm	Pump head	Flow rate L/min	Hose connection
EP NIRO /K40	180207	1400	22 m	120	1½", Ø 40 mm
EP NIRO /K50	180208	1400	30 m	230	2", Ø 50 mm
EP NIRO /K70 *	180211	1400	40 m	500	2¾", Ø 70 mm

\* only type NAUTIC available

Types K40 and K50 are also available with elektromagnetic clutch.



EP NIRO /K 70  
NAUTIC