

Side Channel Centrifugal Pumps

EP BRONZE



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Side Channel Centrifugal Pumps

The pumps are available with various motors (AC, DC and threephase 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.

The 230 V versions are equipped with a rotation direction switch. Optional accessories for all models: Regulation valve (bypass) for flow control and trolley for easy transport.

EP BRONZE - high capacity pumps for various applications

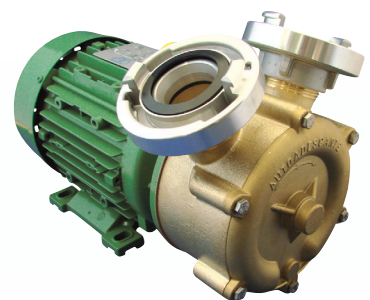
The self-priming ZUWA side channel centrifugal pumps, constructed of bronze, are suitable for all fluids with a temperature up to 70°C without solids or abrasive particles.

Features

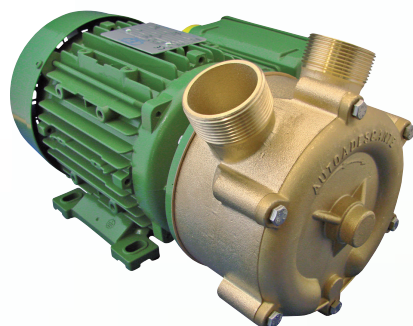
- ▶ self-priming
- ▶ suction height max. 6 m
- ▶ fluid temperature max. 70°C
- ▶ pulsationfree pumping
- ▶ tolerates short dry-run periods

Applications

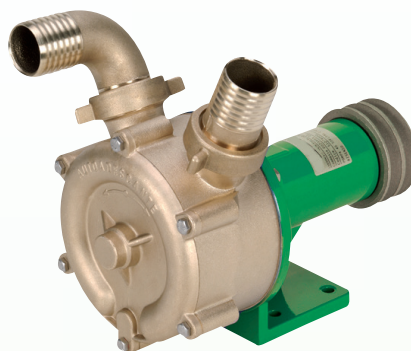
- ▶ water, sea water
- ▶ oils, fuel oil
- ▶ Diesel
- ▶ beverages (e.g. wine, milk)



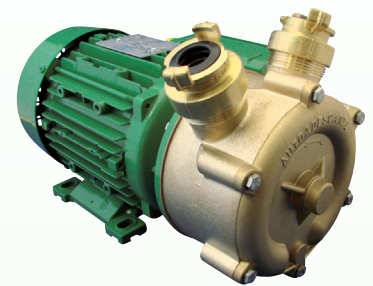
EP Bronze with C-coupling*



EP Bronze

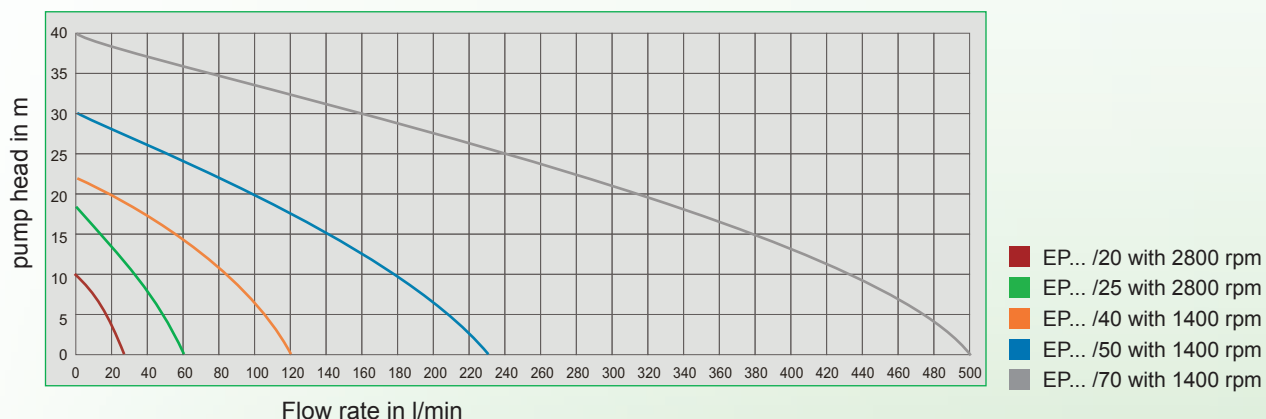


EP for V-belt drive with pedestal



EP Bronze with GEKA coupling*

Characteristic curves:



* couplings available on option

Side Channel Centrifugal Pumps EP BRONZE

Technical details

Pumps with AC motor or threephase current motor

Model	Motor			rpm	Flow rate max.	Pump head max.	Hose connection	Weight	Art.No.
	kW	V	A						
EP m220/20	0,22	230	2,2	2800	30 l/min	15 m	¾", DN 19	5,6 kg	180009BSP
EP t400/20	0,22	400	0,76	2800	30 l/min	15 m	¾", DN 19	5,6 kg	180018BSP
EP m220/25	0,45	230	4	2800	60 l/min	18 m	1", DN 25	9,2 kg	180010BSP
EP t400/25	0,45	400	2	2800	60 l/min	18 m	1", DN 25	9,2 kg	180011
EP m220/40	0,75	230	5,3	1400	120 l/min	22 m	1½", DN 40	16 kg	180020BSP
EP t400/40	0,75	400	3,03	1400	120 l/min	22 m	1½", DN 40	16 kg	180032
EP m220/50	1,5	230	12,1	1400	230 l/min	30 m	2", DN 50	26 kg	180030BSP
EP t400/50	1,5	400	4,36	1400	230 l/min	30 m	2", DN 50	26 kg	180031BSP
EP t400/70	5,5	400	11,8	1400	500 l/min	40 m	2½", DN 70	75 kg	180012BSP

Pumps with DC motor*

Model	Motor			rpm	Flow rate max.	Pump head max.	Hose connection	Weight	Art.No.
	kW	V	A						
EP cc12/20	0,3	12	26	2000	25 l/min	10 m	¾", DN 19	5,8 kg	180001BSP
EP cc24/20	0,3	24	14	2000	25 l/min	10 m	¾", DN 19	5,5 kg	180002BSP
EP cc12/25	0,5	12	38	2000	53 l/min	12 m	1", DN 25	9,8 kg	180003BSP
EP cc24/25	0,5	24	22	2000	53 l/min	12 m	1", DN 25	9,4 kg	180005BSP
EP cc24/40	1,5	24	45	1400	120 l/min	22 m	1½", DN 40	28 kg	180004BSP

*not suitable for continuous operation

Pumps for V-belt drive with pedestal or type NAUTIC

Model	rpm	Flow rate max.	Pump head max.	Hose connection	Weight	Art.No.
EP K20	2800	30 l/min	15 m	¾", DN 19	2 kg	180201BSP
EP K25	2800	60 l/min	18 m	1", DN 25	2,8 kg	180202BSP
EP K30	1400	75 l/min	18 m	1¼", DN 30	5,6 kg	180204BSP
EP K40	1400	120 l/min	22 m	1½", DN 40	7,3 kg	180205
EP K50	1400	230 l/min	30 m	2", DN 50	12,5 kg	180206BSP

Models K30, K40 and K50 are also available with electromagnetic clutch, type NAUTIC additionally with clutch lever for manual operation.



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Side Channel Centrifugal Pumps

Stainless Steel - EP NIRO



Side Channel Centrifugal Pumps

The pumps are available with various motors (AC, DC and threephase 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.

The 230 V versions are equipped with a rotation direction switch.

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

EP NIRO - for acids and food applications

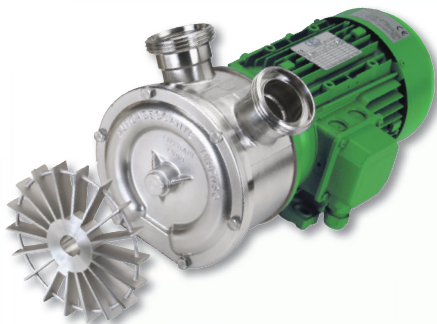
The self-priming ZUWA side channel centrifugal pumps, constructed of stainless steel, are particularly suitable for aggressive and corrosive media and for food.

Features

- ▶ self-priming
- ▶ suction depth max. 6 meter
- ▶ pulsationfree pumping
- ▶ tolerates short dry-run periods

Applications

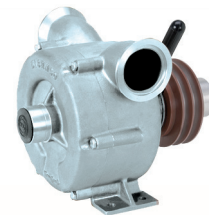
- ▶ beverages (e.g. wine, milk)
- ▶ acids
- ▶ water, sea water
- ▶ oils, fuel oil
- ▶ Diesel



EP Niro



EP Niro for V-belt drive with pedestal

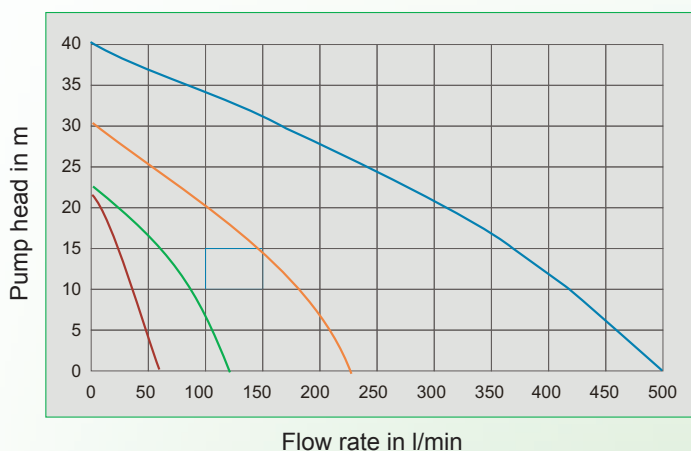


Version NAUTIC



EP Niro on trolley

Characteristic 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



Side Channel Centrifugal Pump EP NIRO

Technical details

Pumps with AC motor or threephase current motor

Model	Motor			rpm	Flow rate max.	Pump head max.	Hose connection	Weight	Art.No.
	kW	V	A						
EP Niro220/25	0,6	230	4	2800	58 l/min	22 m	1¼", DN 30	9,5 kg	180025
EP Niro400/25	0,6	400	2	2800	58 l/min	22 m	1¼", DN 30	9,6 kg	180014
EP Niro220/40	1	230	6,4	1400	120 l/min	22 m	1½", DN 40	17,5 kg	180028
EP Niro400/40	1	400	2,9	1400	120 l/min	22 m	1½", DN 40	17,6 kg	180039
EP Niro220/50	2	230	9,,3	1400	230 l/min	30 m	2", DN 50	27,5 kg	180029
EP Niro400/50	2	400	4,36	1400	230 l/min	30 m	2", DN 50	26,5 kg	180035
EP Niro400/70	5,5	400	11,8	1400	500 l/min	40 m	3", DN 70	75 kg	180036

Pumps with DC motor*

Model	Motor			rpm	Flow rate max.	Pump head max.	Hose connection	Weight	Art.No.
	kW	V	A						
EP Niro12/25	0,5	12	32	2000	43 l/min	10 m	1¼", DN 30	9,1 kg	180027
EP Niro24/25	0,5	24	20	2000	43 l/min	10 m	1¼", DN 30	9,3 kg	180021
EP Niro24/40	1,12	24	45	1400	120 l/min	22 m	1½", DN 40	19,9 kg	180013

*not suitable for continuous operation

Pumps for V-belt drive with pedestal or type NAUTIC

Model	rpm	Flow rate max.	Pump head max.	Hose connection	Weight	Art.No.
EP Niro/K40	1400	120 l/min	22 m	1½", DN 40	7,4 kg	180207
EP Niro/K50	1400	230 l/min	30 m	2", DN 50	12,6 kg	180208
EP Niro/K70**	1400	500 l/min	40 m	2½", NW 70	28,8 kg	180211

**only in version NAUTIC available

Models K40 and K50 are also available with elektromagnetic clutch



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