

Centrifugal Pump Type 216 /8

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Bahner



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On many machines being employed in the hat factories, acid-proof circulation pumps are required, for the purpose of circulating fluid (e.g. gulling liquor). The acid-proof circulation pumps commonly used cannot be employed here since normal running wheels are quickly being covered up by the hairs being in the liquid.

The standard circulation pump pictured here has been developed for the special purpose of being used in hat factories and considers all points which may appear.

For the main part, it consists of a gray cast iron pump frame which houses all parts of the pump as well as the bearings. Pump rotor, pump stator, and the shaft are made of rust- und acid proof steel of material No.14571 (

Krupp quality V4A –Special). That means they are fulfilling the highest requirements as to corrosion-resistance. The shaft is borne in strong ball bearings and carries the running wheel, which is dynamically balanced.

The running wheel itself, on the sucking side, is open. It can not be blocked by any hair.

The motor pump and the electric motor are presenting one unit, this aggregate can be located on each point of a machine, independently from mechanical drive elements, without having to take any consideration to mechanical motor being mounted on.

We are installing one each of these centrifugal pumps, among others, into the following machines which we can supply:

- Type 6-216 Multiroller
- Type 220 Fulling Machines (liquor circulation only upon request)
- Type 234 Velour Brushing Machines (up to 10 machines = 20 cones, can be served by one pump)
- Type 240 One-Unit Sample Dyeing Machine (rotation number of the electric motor 2820 r.p.m., capacity 1,1 kW

Technical Data

Rotation of the pump	1000 r.p.m.	2800 r.p.m.
Power requirement H.P.	0,6	1,2
kW of motor to be provided	0,55	1,1
Rotation of the motor	1410 r.p.m.	2820 r.p.m.
Output cubmeters/hour	9	7
Pressure against slider closed	0,2 atue	1,4 atue
Measurement of the pump	220 x 430 x 400 mm 8,7 x 16,9 x 15,8 inch	
Weight without motor	25,5 kg / 56,2 lbs	
Weight with Motor	37,5 kg / 82,7 lbs	
Nominal Width	50 mm / 1,97 inch sucking and pressing side alike	