

- ▶ Return pump
for chip disposal

schmalenberger
strömungstechnologie



Short description

- ▶ Centrifugal pump
with integrated chip cutter
type SZ_{CUT}

Centrifugal pump with integrated chip cutter type SZ_{CUT}:

Suctioning > Cutting > Pumping

Features

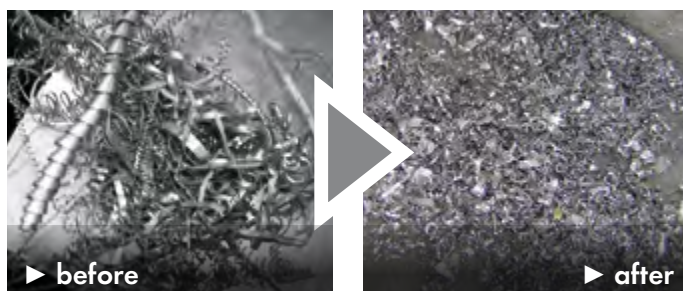
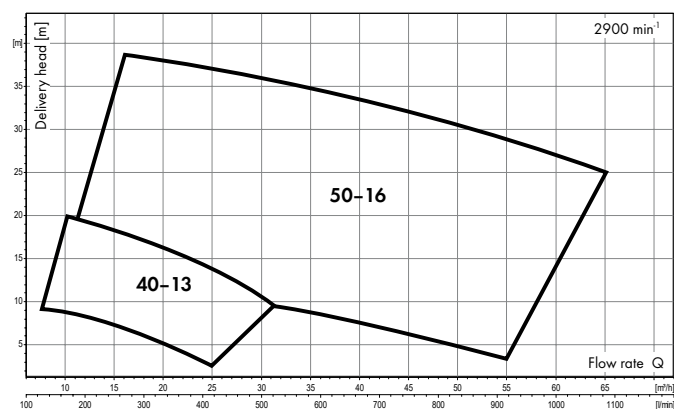
- ▶ Pumping and cutting in one operation
- ▶ Space-saving, compact design
- ▶ Energy-efficient, cost-effective and maintenance-free
- ▶ Short amortization period
- ▶ Easily cuts aluminum (other materials on request)
- ▶ Free ball passage up to 20 mm
- ▶ Individual adaptation to the system curve
- ▶ Various immersion depths
- ▶ Long service life thanks to maintenance-free bush bearings
- ▶ Sealed shaft passage
- ▶ Also available with 4-pole block motor
- ▶ Retrofit possible (on request)

Technical data

- ▶ Quick suctioning pump in block construction
- ▶ For polluted fluids with high air inclusions up to 15 percent by volume
- ▶ Flow rate 30 - 1,000 l/min
- ▶ Delivery head up to 38 m
- ▶ Material design: cast iron with wear-resistant cutting element
- ▶ Motors: up to 3 kW 230/400 V 50 Hz, from 4 kW 400/690 V 50 Hz, 460 V 60 Hz, other voltages on request

Performance curves

All values for water at 20 °C



Turning - milling - drilling - is machining aluminum your profession? Then you can do without costly and time-consuming chip crushers in conjunction with lifting systems. The SZ_{CUT} combines a proven centrifugal pump design with a cutting element and optimizes the difficult transport of aluminum chips in the coolant cycle. At the suction opening

a wear-resistant cutting element cuts the aluminum chips suspended in the coolant. This prevents clogging of the pipeline by unbroken knotted chips and improves the transport of coolant with chips. The simultaneous suction, cutting and the joint transport of coolant and chips minimizes the space requirements and lowers energy and investment costs.

With over 65 years of experience in industrial pump technology, we are a supplier that guarantees reliable quality products. Give us a call, it will be our pleasure to assist you.

