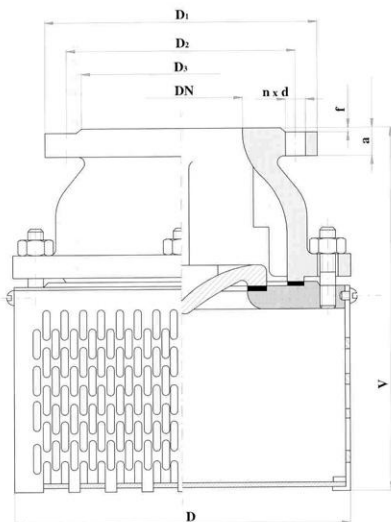


Valve-type suction basket

M 51 010-010

PN 10



Application

End fitting for the vertical suction pipe for pumping clean or turbid aggressive liquids without hard mechanical particles at service temperature up to 150 °C. Its use is limited by the type, temperature and concentration of the service liquid. It prevents the unwanted escape of columns of liquid from the suction pipe when the pump is stopped.

Technical description

The basket consists of a body, valve, seat plate and filter screen. The surface area in the basket holes is 2.5 times the cross-sectional area of the pipe to which the basket is fitted. Valve lift is limited by a rib in the body.

Connecting and face-to-end dimensions

Face-to-end dimensions are given in table below.

Flange connecting dimensions as per DIN 2501 and ČSN 13 1060 and 13 1061.

Material

Body, valve stainless steel (1.4408)
Seat plate stainless steel (1.4408)
Filter screen stainless steel (13 Cr)
(perforated sheet metal)

Testing

The suction basket is tested as per DIN 3230, ČSN 13 3060, part 2.

Installation

The suction basket must be installed vertically.

DN	D	D ₁	D ₂	D ₃	V	a	f	n	d	kg
40	165	150	110	88	160	18	3	4	18	8
50	175	165	125	102	165	18	3	4	18	11
65	200	185	145	122	190	18	3	4	18	13
80	240	200	160	133	200	20	3	8	18	19
100	275	220	180	158	290	20	3	8	18	23
125	310	250	210	184	315	22	3	8	18	31
150	352	285	240	212	350	22	3	8	22	40
200	440	340	295	268	410	24	3	8	22	58
250	520	395	350	320	490	24	3	12	22	101