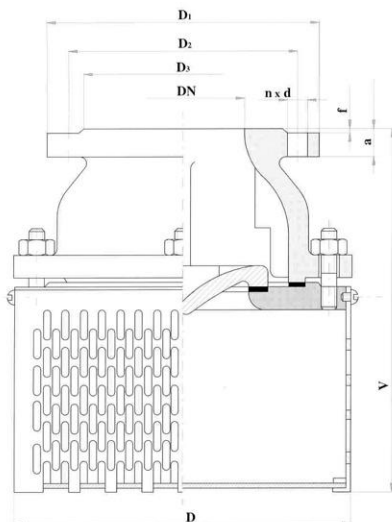


Valve-type suction basket

M 51 010-610

PN 10



Application

End fitting for the vertical suction pipe for pumping clean or turbid non-aggressive liquids without hard mechanical particles at service temperature up to 70°C. 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	grey cast iron (GG-20)
Seat plate	grey cast iron (GG-20)
Seat in seat plate	brass
Valve seat	rubber
Filter screen	carbon steel
	(perforated sheet metal)

Testing

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

Installation

The suction basket must be installed vertically.

DN	D	D ₁	D ₂	D ₃	V	a	f	n	d	kg
40	170	150	110	88	165	18	3	4	18	8
50	180	165	125	102	170	20	3	4	18	10
65	200	185	145	122	195	20	3	4	18	13
80	240	200	160	133	210	22	3	8	18	15
100	270	220	180	158	270	22	3	8	18	22
125	310	250	210	184	290	24	3	8	18	33
150	350	285	240	212	370	24	3	8	22	43
200	440	340	295	268	450	26	3	8	22	70
250	520	395	350	320	500	28	3	12	22	104