

Description

The scraper bottom is a compact alternative to the conical collection of minor volumes of dust below a filter. The scraper bottom is designed for continuous emptying and may not be fully loaded. The scraper bottom consists of a plane bottom plate flanged to the lower part of the filter chamber, which accordingly is extended by app. 250 mm compared to the nominal dimension. Two scrapers rotate around a central shaft. The scrapers are staggered compared to the shaft and wipe the product towards the periphery. In the periphery the product drops down through a pipe socket. The scope of supply ends with a connection flange at the pipe socket. To prevent an airflow through the socket, a rotary valve or similar equipment must be installed. The filter chamber should be equipped with a door, preferably close to the pipe socket, to allow for access to the pipe socket, scrapers, etc. The door must be secured against opening during operation, to prevent personal injury caused by the rotating parts. The values of pressure resistance stated below presuppose that no significant pulsation occur which could cause vibrations. *Multiply the maximum operating pressure by factor K by temperatures exceeding 50°C (see fig. 1) Individual adaptation renders scraper bottoms designed for deviating operating pressures and temperatures.

General Data

Transmission Double hollow-shaft worm gear with standard-dimensioned motor.
 Gear lubricated from the factory.
 Make - gear Bonfiglioli.
 Make - el. motor ICME (Italy)
 Supply voltage 230 or 400 V AC - 50 Hz.
 Protection IP 54.
 No. of scrapers 2 pcs.
 Supports 4 base plates below bottom plate.

Type FP (<80°C) Flange gear, stuffing box
 Type MS (<200°C) .. Gear fixed with torque arm. Lip seal.
 Type JUK (<250°C) . Gear fixed with torque arm. Stuffing box. Adjustable inclination of hub.

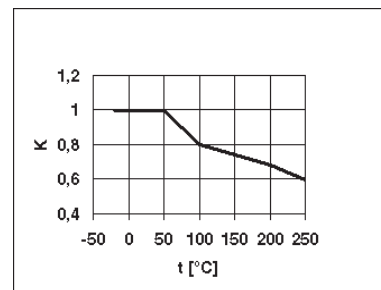


Fig. 1. Correction value K for max. operating pressure

** Weight excl. housing

Type	Dimensions					Motor					Gear		Total	
	Nom. dia. [m]	Pressure resist. ± [Pa]*	Area ext. [m²]	Area int. [m²]	Weight [Kg]**	Type	P [kW]	I (230V) [A]	I (400V) [A]	n [rpm]	Type MVF	i	n [rpm]	M [Nm]
FP	0,8	26000	1,3	1,2	80	71 B-4	0,37	2	1,16	1385	44/86FV2	300	4,62	340
	0,96	18000	1,6	1,5	90	71 B-4	0,37	2	1,16	1385	44/86FV2	300	4,62	340
	1,1	27500	2,1	1,7	106	71 B-4	0,37	2	1,16	1385	44/86FV2	300	4,62	340
	1,3	17000	2,5	2,2	123	71 B-4	0,37	2	1,16	1385	44/86FV2	300	4,62	340
	1,5	17000	3,5	2,7	197	80 B-4	0,75	3,6	2,1	1375	49/110FV2	400	3,44	920
	1,8	17000	4,4	3,6	251	80 B-4	0,75	3,6	2,1	1375	49/110FV2	400	3,44	920
	2,0	17000	5,2	4,3	297	80 B-4	0,75	3,6	2,1	1375	49/110FV2	400	3,44	920
MS	2,2	15000	5,9	5,0	330	80 B-4	0,75	3,6	2,1	1375	49/110FV2	400	3,44	920
	1,5	17000	3,6	2,7	213	80 B-4	0,75	3,6	2,1	1375	49/110PV2	400	3,44	920
	1,8	17000	4,5	3,6	256	80 B-4	0,75	3,6	2,1	1375	49/110PV2	400	3,44	920
	2,0	17000	5,3	4,3	302	80 B-4	0,75	3,6	2,1	1375	49/110PV2	400	3,44	920
	2,2	15000	6,0	5,0	336	80 B-4	0,75	3,6	2,1	1375	49/110PV2	400	3,44	920
	2,4	14500	7,2	6,2	400	80 A-4	0,55	2,8	1,65	1375	49/110PV2	540	2,55	830
	2,6	11500	8,2	6,9	441	80 A-4	0,55	2,8	1,65	1375	49/110PV2	540	2,55	830
	2,8	12500	9,2	8,0	516	80 A-4	0,55	2,8	1,65	1375	49/110PV2	540	2,55	830
JUK	3,0	10500	10,3	9,0	600	80 A-4	0,55	2,8	1,65	1375	49/110PV2	540	2,55	830
	3,2	11000	11,7	10,0	668	80 A-4	0,55	2,8	1,65	1375	49/110PV2	540	2,55	830
	2,4	14500	9,8	6,5	422	80 A-4	0,55	2,8	1,65	1375	49/110PV2	540	2,55	830
	2,6	11500	10,8	7,4	461	80 A-4	0,55	2,8	1,65	1375	49/110PV2	540	2,55	830
	2,8	12500	11,9	8,3	534	80 A-4	0,55	2,8	1,65	1375	49/110PV2	540	2,55	830
	3,0	10500	12,9	9,3	580	80 A-4	0,55	2,8	1,65	1375	49/110PV2	540	2,55	830
	3,2	11000	14,3	10,4	643	80 A-4	0,55	2,8	1,65	1375	49/110PV2	540	2,55	830
	3,3	10000	14,9	11,0	692	90 S-4	1,10	4,8	2,8	1370	63/130PV2	600	2,28	1800
	3,5	16000	18,6	12,1	881	90 S-4	1,10	4,8	2,8	1370	63/130PV2	600	2,28	1800
	3,8	12500	20,9	14,0	979	90 S-4	1,10	4,8	2,8	1370	63/130PV2	600	2,28	1800
4,0	11000	22,4	15,3	1047	90 S-4	1,10	4,8	2,8	1370	63/130PV2	600	2,28	1800	
4,2	9500	24,1	16,7	1118	90 S-4	1,10	4,8	2,8	1370	63/130PV2	600	2,28	1800	