

ewo Filter

Overview & Technical Data

VMA-Filter			
	<p>Pre-Filter (V) (429)</p> <p>Sintered polyethylene filters are used with micro-filters and combinations of microfilters / activated charcoal filters as well as after filters for ad- and absorptive, dryers, dust filters for compressed air and other compressed gases.</p>		<p>Micro-Filter (M) (430)</p> <p>Borosilicate glass-microfiber filter used to filter out aerosols and solid contamination with a particle size of over 0,01 µm. Recommendation: Pre-Filter fitted upstream.</p>
	<p>Active Charcoal Filter (A) (431)</p> <p>For absorption of liquid vapours. Recommendation: Micro-Filter fitted upstream in all cases where dried air is not used.</p>		
Filter of Standard series			
	<p>Standard-Filter (Type 322, 405, 456)</p> <p>Compressed air filter to remove impurities (condensate water, pipes scaling, rust particles) from the air in the workplace.</p>		<p>Micro-Filter (Type 403)</p> <p>Micro Borosilicate air filters for use in all situations where the required purity of the compressed air is especially high. Used in second stage filtration.</p>
Filter of Variobloc series			
	<p>Pre-Filter (Type 482)</p> <p>Compressed air filter to remove impurities (condensate water, pipes scaling, rust particles) from the air in the workplace.</p>		<p>Micro-Filter (Type 491)</p> <p>Micro Borosilicate air filters for use in all situations where the required purity of the compressed air is especially high. Used in second stage filtration.</p>
	<p>Activated Charcoal Filter (Type 493)</p> <p>For absorption of liquid vapours. Recommendation: Micro-Filter fitted upstream in all cases where dried air is not used.</p>		
40-and 60 bar			
	<p>40 / 60 bar-Filter (445, 475, 454)</p> <p>With a filter element of sintered bronze and a body of black anodized aluminium this filter is used in 40/60 bar applications like e.g. the PET production.</p>		<p>40 / 60 bar Micro Filter (445 / 475)</p> <p>Micro Borsilicate air filters for use in all situations where the required purity of the compressed air is especially high. Used in second stage filtration.</p>

Technical Data and Comparison

Type	429	430	431	322 / 405 / 456	403	482	491	493	445 / 454	445 M	475	475 M
Thread (from / to)	G ¾ - G 2	G ¾ - G 2	G ¾ - G 2	G 1/8 - G 2	G 1/8 - G 1	G ¾ - G 1	G ¾ - G 1	G ¾ - G 1	G 3/8 - G 2	G 3/8 - G 1	G ¾ - G 1	G ¾ - G 1
Flow Rate (l/min)	1000 - 13333	1300 - 9000	500 - 6667	1050 - 15830	560 - 4000	1800 - 3500	370 - 1100	800 - 13000	2260 - 15830	200 - 2300	6000	2300
Max. Operating Pressure (bar)	16	16	16	16 / 25 ¹	16 / 25 ¹	16 / 20 ¹	16 / 20 ¹	16 / 20 ¹	40	40	60	60
Max. Operating Temperature C	+ 5° - + 80°	+ 5 - + 80	+ 5 - + 80	0 - 50 / 90 ¹	0 - 50 / 90 ¹	0 - 50 / 80 ¹	0 - 50 / 80 ¹	0 - 50 / 80 ¹	0 - 90	0 - 90	0 - 90	0 - 90
Nominal Width (DN)	20 / 42	20 / 42	20 / 42	6, 15, 20, 25, 50	6 - 20	8 / 14	8 / 14	8 / 14	15 - 50	15 - 20	20	20
Housing	Aluminium	Aluminium	Aluminium	Zinc Alloy Alu Alloy Aluminium	Zinc Alloy Aluminium	Zinc Alloy	Zinc Alloy	Zinc Alloy	Aluminium	Aluminium	Aluminium	Aluminium
Seals	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR
Filter element	Sintered PE	Borsilicate Glass Microfibre	Activated Charcoal	Sintered Bronze	Borsilicate Glass Microfibre	PE-Filter	Micro Borsilicate Air Filter	Activated Charcoal Element	Sintered Bronze	Micro Borsilicate Air Filter	Sintered Bronze	Micro Borsilicate Air Filter
Particle Separation (µm)	2	-	-	5 / 40	0,01	5 / 40	-	-	5 / 40	0,01	5 / 40	0,01
Residual Oil Content (ppm)	n. r.	0,01	0,005	n. r.	0,01	n. r.	0,01	0,003	n. r.	0,01	n. r.	0,01
Gauge for differential pressure	0 - 2bar (0 - 29 psi)	0 - 2bar (0 - 29 psi)	-	-	-	-	Indicator optional	-	-	-	-	-
Metal Bowl	Serial	Serial	Serial	optional	optional	optional	optional	optional	included	Included	included	Included
Efficiency	99,99%	99,9999%	n. r.	95%	99,9999%	98%	99,9999%	n. r.	95%	99,9999%	95%	99,9999%
Air Quality acc. ISO 8573.1	Class 2	Class 1	Class 1	Class 3 / 5	Class 1	Class 3 / 5	Class 1	Class 1	Class 3 / 5	Class 1	Class 3 / 5	Class 1
Available Drain Valves ²	A, S, M	A, S, M	A, S, M	A, S, M	A, S, M	A, S, M	A, S, M	A, S, M	S, M	S, M	S, M	S, M
Housing size (mm)	83 / 118	38 / 118	83 / 118	56 - 140	56 - 87	48 / 70	48 / 70	48 / 70	65 / 80	140	80	140

¹ with metal bowl

² A - Automatic, S - Semi-automatic, M - Manual