

PRECISION Compressed Air Filter

Purification and Separation

Model	Capacity		Air connection size	Dimension (mm)					Weight (kg)
	m ³ /min	CFM		A	B	C	D	E	
RPF-17	1	35	Rc1/2"	89	40	158	—	95	1.1
RPF-30	1.8	64	Rc1/2"	89	40	192	—	130	1.5
RPF-58	3.6	127	Rc3/4"	120	55	252	—	172	2.5
RPF-80	4.8	169	Rc1"	120	55	352	—	272	3.2
RPF-145	8.7	307	Rc1-1/2"	120	55	352	—	272	3.2
RPF-220	13.2	466	Rc2"	162	64	468	180	320	6.6
RPF-330	20	706	Rc2"	162	64	742	180	625	10.9
RPF-430	25.8	911	Rc3"	200	78	500	180	650	12.9
RPF-620	40	1412	Rc3"	200	78	757	180	650	17.5
RPF-830	50	1766	DN100	493	263	1119	220	650	115
RPF-1000	60	2119	DN100	493	263	1119	220	650	115
RPF-1200	70	2472	DN125	617	290	1179	220	650	145
RPF-1300	80	2825	DN125	617	290	1179	220	650	150
RPF-1950	120	4237	DN150	617	299	1206	220	650	195
RPF-2500	150	5297	DN200	666	343	1354	220	650	240
RPF-3250	200	7062	DN200	740	368	1459	220	650	380
RPF-4650	280	9887	DN250	800	420	1583	220	650	450
RPF-5200	312	11017	DN250	800	420	1583	220	650	455
RPF-7800	468	16525	DN300	906	476	1646	220	650	850

Filter Specification :

Oil mist separator(coalescing) filter: grade AO,AA and AX

Dry particle separator filter: grade AR and AAR

Oil vapour separator and odours filter: grade ACS

Grade	Micron Rating (µm)	Residual Oil Mist (mg/m ³)	Dry Δp Kpa	Wet Δp Kpa	Element Change Interval	Precede with Filtration Grade
AO	1	0.6	7	14	12 months	WS
AA	0.01	0.01	10	20	12 months	AO
AR	1	—	7	—	12 months	—
AAR	0.01	—	10	—	12 months	AR
AX	0.01	0.001	20	40	12 months	AA
ACS	—	0.003	7	—	1000 hours	AA

Correction Factors :

Actual Capacity (m³/min) = Nominal Capacity × F1

Working Pressure (F1)	Mpag	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
	psig	15	29	44	58	73	87	102	116
	CFP	0.38	0.53	0.65	0.76	0.85	0.93	1	1.07
	Mpag	0.9	1	1.1	1.2	1.3	1.4	1.5	1.6
	psig	131	145	160	174	189	203	218	232
	CFP	1.13	1.2	1.25	1.31	1.36	1.41	1.46	1.51