



Ingersoll Rand Air Filtration

Industrial Technologies
Davidson, NC 28036

Ref:
Date: 1 February 2010
Cancels: ALL PREVIOUS

Performance

D Filter Series

Inlet Air Pressure 7 bar g (100 psig)

Model	Inlet Air Flow (m3/min)	Inlet Air Flow (cfm)
F35ID	0.58	21
F71ID	1.18	42
F108ID	1.80	64
F144ID	2.40	85
F178ID	2.97	105
F212ID	3.53	125
F395ID	6.58	233
F424ID	7.07	250
F577ID	9.62	339
F791ID	13.20	466
F985ID	16.42	580
F1155ID	19.25	680
F1529ID	25.48	900
F1817ID	30.28	1070
F2378ID	39.63	1400
F3000ID	50.00	1800
F4000ID	67.00	2400
F5000ID	83.00	3000
F6100ID	102.00	3600
F7100ID	118.00	4200
F8100ID	135.00	4800
F10100ID	168.00	6000
F15200ID	253.00	9000
F22400ID	373.00	13200

Correction Factors:

Operating bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Pressure psig	15	29	44	58	73	87	102	116	131	145	160	174	189	203	218	232	247
Correction Factor	0.38	0.53	0.65	0.76	0.85	0.93	1.00	1.07	1.13	1.20	1.25	1.31	1.36	1.41	1.46	1.51	1.56

	21 – 1400 CFM		1800 – 13200 CFM	
Maximum Operating Pressure:	17.25 bar g	(250 psi g)	10.35 bar g	(150 psi g)
Maximum Operating Temperature:	80°C	(176°F)	80°C	(176°F)
Minimum Operating Temperature:	1.5°C	(35°F)	1.5°C	(35°F)

The above inlet flow rates are at reference conditions 20°C (68°F) and 1 bar (14.5 psig)