



Ingersoll Rand Air Filtration

Industrial Technologies
Davidson, NC 28036

Ref:
Date: 1 February 2010
Cancels: ALL PREVIOUS

Performance

A Filter Series

Inlet Air Pressure 7 bar g (100 psig)

Model	Inlet Air Flow (m3/min)	Inlet Air Flow (cfm)
F35IA	0.58	21
F71IA	1.18	42
F108IA	1.80	64
F144IA	2.40	85
F178IA	2.97	105
F212IA	3.53	125
F395IA	6.58	233
F424IA	7.07	250
F577IA	9.62	339
F791IA	13.20	466
F985IA	16.42	580
F1155IA	19.25	680
F1529IA	25.48	900
F1817IA	30.28	1070
F2124IA	35.40	1250
F3000IA	50.00	1800
F4000IA	67.00	2400
F5000IA	83.00	3000
F6100IA	102.00	3600
F7100IA	118.00	4200
F8100IA	135.00	4800
F10100IA	168.00	6000
F15200IA	253.00	9000
F22400IA	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:	30°C	(86°F)	30°C	(86°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)