



Ingersoll Rand Air Filtration

Industrial Technologies
Davidson, NC 28036

Ref:
Date: 1 February 2010
Cancels: ALL PREVIOUS

Performance

G Filter Series

Inlet Air Pressure 7 bar g (100 psig)

Model	Inlet Air Flow (m3/min)	Inlet Air Flow (cfm)
F35IG	0.58	21
F71IG	1.18	42
F108IG	1.80	64
F144IG	2.40	85
F178IG	2.97	105
F212IG	3.53	125
F395IG	6.58	233
F424IG	7.07	250
F577IG	9.62	339
F791IG	13.20	466
F985IG	16.42	580
F1155IG	19.25	680
F1529IG	25.48	900
F1817IG	30.28	1070
F2378IG	39.63	1400
F3000IG	50.00	1800
F4000IG	67.00	2400
F5000IG	83.00	3000
F6100IG	102.00	3600
F7100IG	118.00	4200
F8100IG	135.00	4800
F10100IG	168.00	6000
F15200IG	253.00	9000
F22400IG	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)