



Ingersoll Rand Air Filtration

Industrial Technologies
Davidson, NC 28036

Ref:
Date: 1 February 2010
Cancels: ALL PREVIOUS

Performance

H Filter Series

Inlet Air Pressure 7 bar g (100 psig)

Model	Inlet Air Flow (m3/min)	Inlet Air Flow (cfm)
F35IH	0.58	21
F71IH	1.18	42
F108IH	1.80	64
F144IH	2.40	85
F178IH	2.97	105
F212IH	3.53	125
F395IH	6.58	233
F424IH	7.07	250
F577IH	9.62	339
F791IH	13.20	466
F985IH	16.42	580
F1155IH	19.25	680
F1529IH	25.48	900
F1817IH	30.28	1070
F2124IH	35.40	1250
F3000IH	50.00	1800
F4000IH	67.00	2400
F5000IH	83.00	3000
F6100IH	102.00	3600
F7100IH	118.00	4200
F8100IH	135.00	4800
F10100IH	168.00	6000
F15200IH	253.00	9000
F22400IH	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)