HCV – Selection Data

Basic Control Assembly, All Models

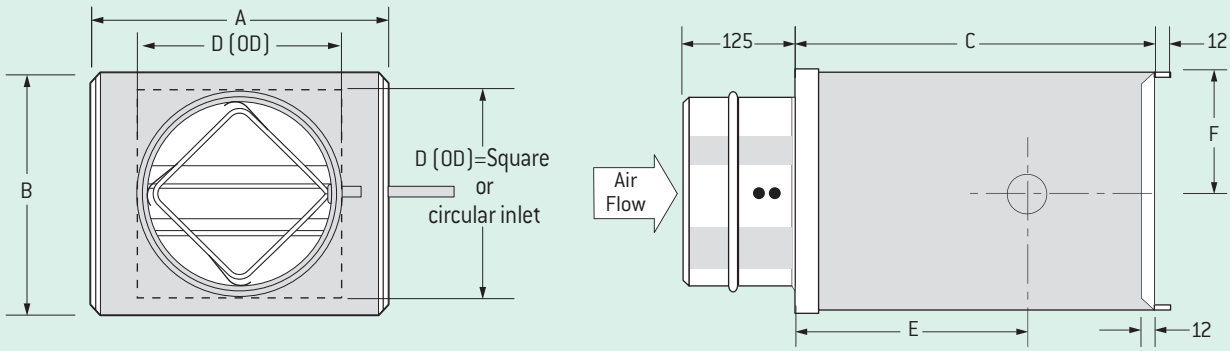
	Circular Inlet							Square / Rectangular Inlet						
Case Size	Range	Minimum* Controllable Settings	Approximate Velocity	Maximum Controllable Settings	Approximate Velocity	Maximum Rated Air Flow	Approximate Velocity	Range	Minimum* Controllable Settings	Approximate Velocity	Maximum Controllable Settings	Approximate Velocity	Maximum Rated Air Flow	Approximate Velocity
	m^3/s	m^3/s	m/s	m^3/s	m/s	m^3/s	m/s	m^3/s	m^3/s	m/s	m^3/s	m/s	m^3/s	m/s
100	0-0.105	0.030	4	0.105	15	0.100	14	0-0.138	0.040	5	0.138	15	0.100	11
125	0-0.166	0.046	4	0.166	15	0.150	13	0-0.220	0.061	4	0.220	15	0.150	10
150	0-0.239	0.067	4	0.239	14	0.200	12	0-0.320	0.088	4	0.320	15	0.200	10
175	0-0.343	0.095	4	0.343	15	0.300	13	0-0.439	0.124	4	0.439	15	0.300	10
200	0-0.454	0.127	4	0.454	15	0.350	12	0-0.576	0.165	4	0.576	15	0.350	9
225	0-0.574	0.160	4	0.574	15	0.500	13	0-0.733	0.208	4	0.733	15	0.500	10
250	0-0.733	0.205	4	0.733	16	0.625	13	0-0.908	0.262	4	0.908	15	0.625	10
300	0-1.076	0.300	4	1.076	16	1.000	15	0-1.314	0.387	4	1.314	15	1.000	11
350	0-1.498	0.420	4	1.498	16	1.400	15	0-1.796	0.543	5	1.796	15	1.500	13
400	0-1.976	0.550	5	1.976	16	1.900	15	0-2.352	0.710	5	2.352	15	1.900	12
600x400	–	–	–	–	–	–	–	0-4.000	1.031	4	4.000	17	3.750	16

Selection Guide Notes

This table is for approximate guidance only. For correct sizing of HCV units please follow the selection information on pages 266G to 278G, or contact your local Holyoake branch which has automatic selection programmes, to input raw data and assist in making accurate product selections.

1. Select the required "Maximum Rated Air Flow".
2. Select the corresponding sized HCV unit.
3. Refer to tables for suitability of:
   - Noise Criteria.
   - Air Quantity – Minimum and Maximum Air Flow.
   - Static Pressure (where applicable).
4. When an auxiliary setting is specified the value must be within the Minimum – Maximum range.
5. ±5% tolerances may not be maintained below the Minimum Air Flow rate. However, control will be maintained down to positive shutoff.
6. For electronic systems the "Minimum to Maximum" Settings are the controllable range.

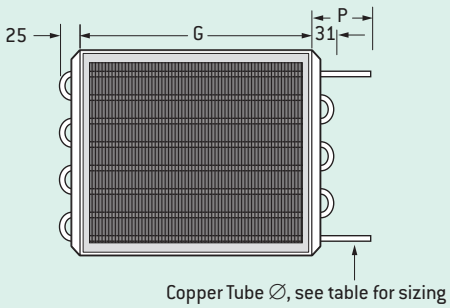
Dimensional Data

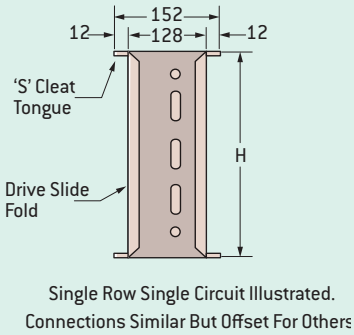


CASE SIZE	A	B	C	D	E*	F	G	H	J	K*	L	M	N	∅ Single	∅ Multi	P Single	P Multi
100	286	223	301	95	177	148	286	223	183	120	3	150	150	1/2"	1/2"	75	75
125	286	223	301	120	177	148	286	223	183	120	3	150	150	1/2"	1/2"	75	75
150	286	223	301	145	177	148	286	223	183	120	3	150	150	1/2"	1/2"	75	75
175	286	296	301	170	177	148	286	296	183	193	4	175	250	1/2"	7/8"	75	115
200	286	296	301	195	177	148	286	296	183	193	4	175	250	1/2"	7/8"	75	115
225	286	296	301	220	177	148	286	296	183	193	5	200	250	1/2"	7/8"	75	115
250	428	296	301	245	177	148	428	296	325	193	5	200	250	7/8"	7/8"	115	115
300	428	369	371	295	247	148	428	369	325	266	5	200	300	7/8"	7/8"	115	115
350	512	398	371	345	247	148	512	398	409	295	-	-	-	7/8"	7/8"	115	115
400	636	442	371	395	247	148	636	442	533	339	-	-	-	7/8"	7/8"	115	115
600 x 400	965	442	371	597 x 397	247	148	965	442	862	339	-	-	-	7/8"	7/8"	115	115

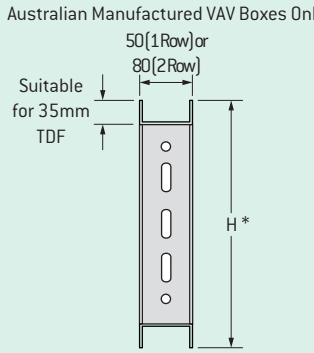
*** On Australian manufactured HCV Coils with 35 mm TDF flanges, D = Actual 'Case Size', H = H + 70 mm; except Case Size 400, H = 446 mm and Case Size 600 x 400, H = 468 mm.**

Hot Water Heating Coil



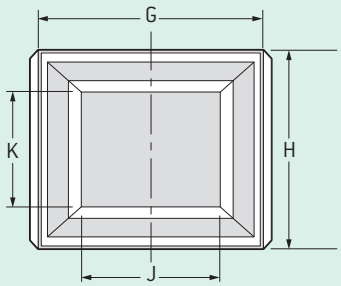


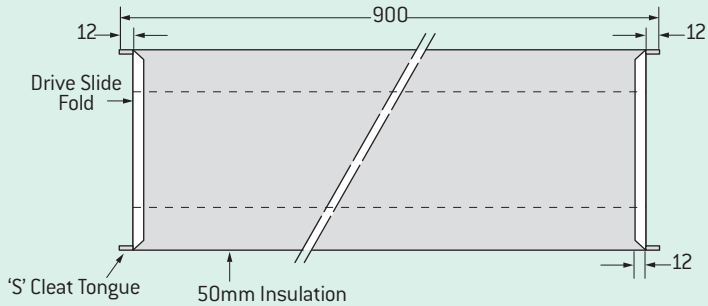
Single Row Single Circuit Illustrated.
Connections Similar But Offset For Others



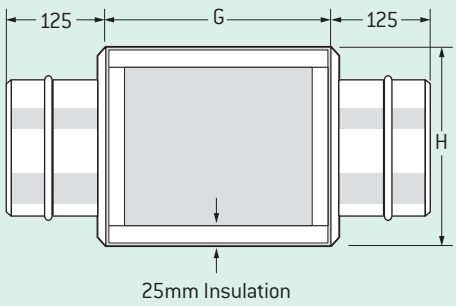
Single Row Single Circuit Illustrated.

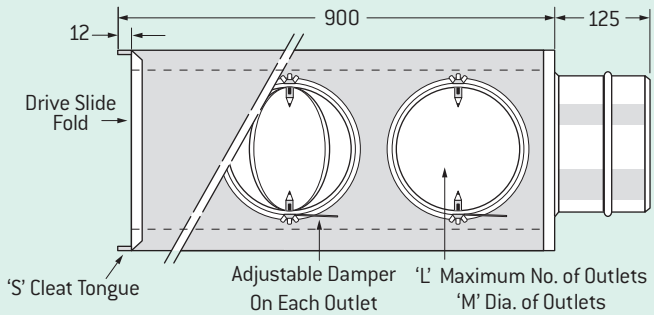
Attenuator





Multi Outlet Adaptor





Round Outlet Adaptor