

**CAM-CENTRIC® 100% RECTANGULAR PORTED, ECCENTRIC PLUG VALVES
PORT AREAS AND FLOW DATA**

SIZE	MODEL NO.	PORT AREA (SQ. IN.)	% OF STD. WT. PIPE	K	CV
6	5606R	42.3	146	.27	2,070
8	5608R	66.8	134	.34	3,250
10	5610R	97.1	123	.39	4,750
12	5612R	119	105	.49	6,150
14	5614R	158	115	.53	8,050
16	5616R	193	106	.56	10,200
18	5618R	240	103	.59	12,600
20	5620R	352	121	.43	18,100
24	5624R	507	119	.37	28,300
30	5630R	732	109	.43	40,700
36	5636R	1002	103	.49	55,400
42	5642R	1826	136	.33	91,650
48	5648R	1826	104	.56	91,650

FORMULA FOR HEADLOSS IN A WATER LINE:

$$\Delta H = K \left(\frac{V^2}{2g} \right)$$

FORMULA FOR PRESSURE DROP IN A WATER LINE:

$$\Delta P = Sg \left(\frac{Q}{Cv} \right)^2$$

WHERE: ΔH = Head loss, ft. of water column
 K = Flow coefficient
 V = Flow velocity, ft./sec.
 g = Gravity, 32.2 ft./sec.²

ΔP = Pressure drop, psi
 Q = Flow rate, gpm
 Cv = Flow coefficient
 Sg = Specific gravity

Revised 6-2-11

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DATE 4-4-02

VAL-MATIC® VALVE AND MANUFACTURING CORP.

DRWG. NO.

SS-1822