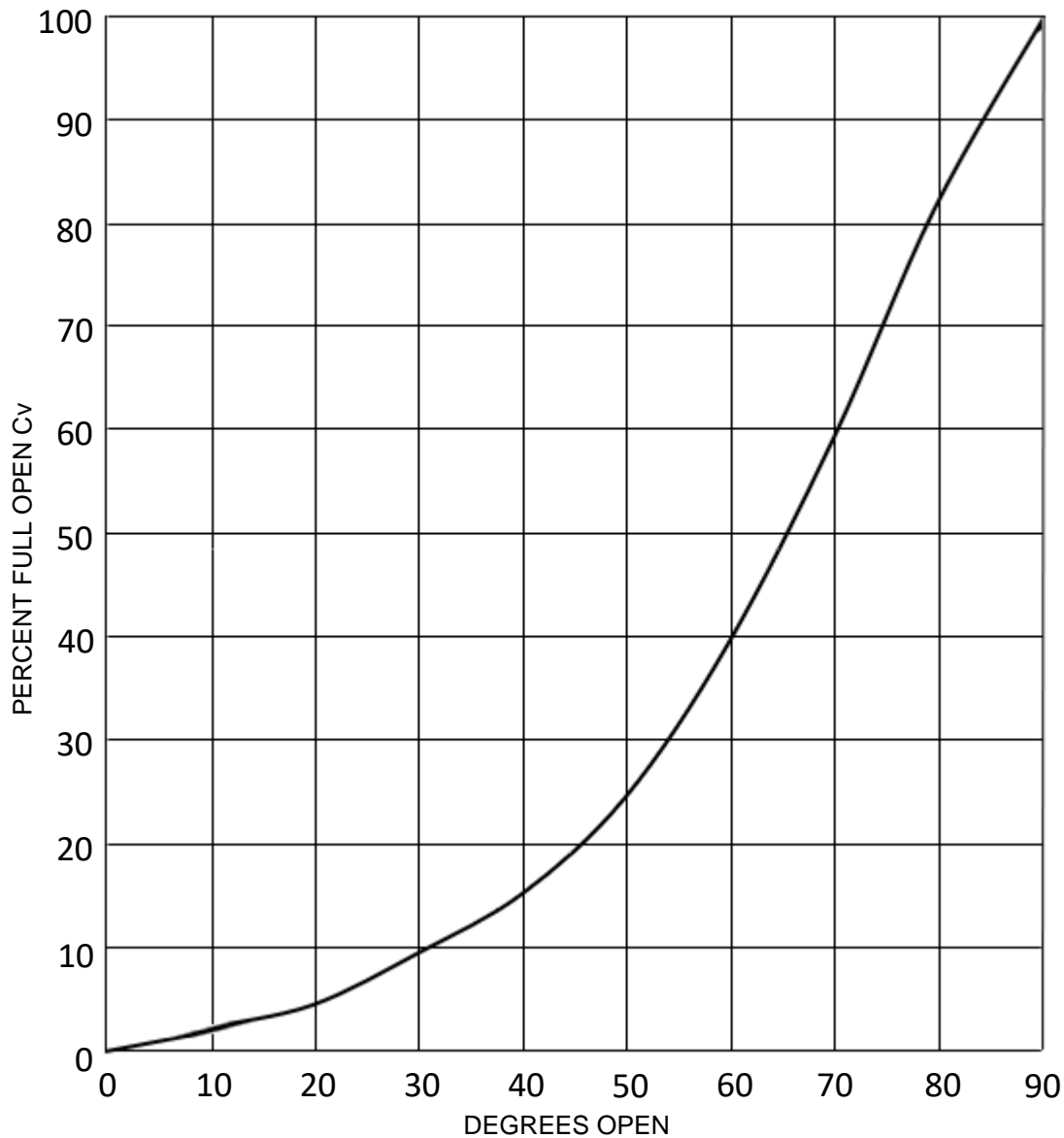


Figure B517R Rectangular Port Eccentric Plug Valves

% Open vs. % Full Open Flow Coefficient (C_v)



RECTANGULAR PORT FULL OPEN Cv

SIZE	FIGURE B517R8 STANDARD PORT	FIGURE B517RF 100% PORT
24"	28,000	41,000
30"	45,000	65,000
36"	65,000	95,000
42"	95,000	110,000
48"	110,000	135,000
54"	135,000	150,000

Flow Coefficient (C_v) is the number of US gallons per minute that can pass through a valve at a 1 PSI pressure drop.

It is expressed by the formula: $Q = C_v(P_1 - P_2)^{1/2}$

Where:

Q = Flow, US Gallons per Minute

C_v = Flow Coefficient

(P₁ - P₂) = Pressure Drop, PSI

When the pressure drop is 1 PSI, the square root of 1 is 1 so $Q = C_v$