CHECK VALVES

As a check valve is permanently open in normal service the flow resistance is a very important feature of a check valve with regard to the energy loss per year which can mount up to many times the initial cost of the valve. Eurovalve® has reduced the pressure loss of the ECV design to very low levels. This is indicated by high K_V values as stated in the following table determined by flow testing.

Flow coëfficient - K_V		
DN	**NPS**	**Valves with aluminium bronze disc**
50	2"	55
65	2½"	150
80	3"	180
100	4"	280
125	5"	420
150	6"	750
200	8"	1800
250	10"	2800
300	12"	4500
350	14"	6300
400	16"	8200
450	18"	9000
500	20"	10000
600	24"	18000

Note: $C_V = 1.16 \times K_V$.