

## PC-35

## PUMP CONNECTOR

The PC-35 Pump Connectors are designed specifically to reduce and isolate noise and vibration from pumps and other operating equipment. Available with working pressures up to 300 psi, and all types of elastomers including Teflon lining, these connectors are widely used in various industries from mining to food processing. PC-35 style Pump Connectors also come in eccentric and concentric taper types. Contact EVR for information on the many size variations available. Pump Connectors must be protected from axial piping movement by using pipe anchors or control units as required.

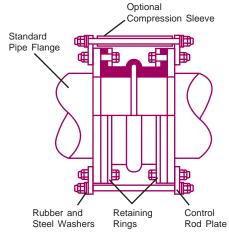
## CONTROL UNITS

Expansion joints and pump connectors are not designed to support weight or limit pipe movement. Excess movement may be the result of abnormal temperature fluctuations, pressure surges, or insufficient anchoring or guiding of the piping. Where these situations occur, control units must be used to limit the amount and direction of movement to within the design limits of the flexible connection.

Control units consist of adaptor plates which are bolted to the back of the mating pipe flanges. These plates are connected by a tie rod which limits the axial extension. In cases where excess compression is anticipated, an optional sleeve is fitted over the tie rod to limit movement in both directions. The minimum number of control rods

Nominal Pipe Size	Maximum Surge or Test Pressure of the System (PSIG.)  Number of Control Rods Recommended					Nominal Pipe Size Exp. J.T. (Inches)	Maximum Surge or Test Pressure of the System (PSIG.)  Number of Control Rods Recommended				
Exp. J.T. (Inches)											
` ID	2	3	4	6	8	Ì ID	2	3	4	6	8
1/2	1328					30	70	105	141	211	281
3/4 1	1106 949					32 34	63 72	94 107	125 143	188 215	251 286
1-1/4	830					36	69	103	138	207	276
1-1/2	510					38	63	94	125	188	251
2	661					40	42	63	85	127	169
2-1/2	529					42	48	72	96	144	192
3 3-1/2	441 365	 E74	 729			44 46	44	66 61	88 82	133	177
3-1/2 4	305 311	574 467	622			46	41 40	60	o∠ 81	122 121	163 161
5	135	353	470			50	37	56	75	112	150
6	186	278	371			52	35	53	70	105	140
8	163	244	326			54	43	64	86	128	171
10	163	244	325	488		56	40	60	80	120	160
12	160	240	320	481		58	37	56	75 74	113	150
14 16	112 113	167 170	223 227	335 340	435	60 62	35 33	53 50	71 66	106 100	141 133
18	94	141	187	281	375	66	30	44	59	89	119
20	79	118	158	236	315	72	25	38	50	75	101
22	85	128	171	256	342	78	28	42	56	84	112
24	74	110	147	221	294	84	24	37	49	73	98
26	62	93	124	186	248	90	26	40	53	79	106

needed in a control unit is two; however depending on size or pressure, more may be required. The chart below can be used to determine the requirements for your application.





28

65

98

130

195

261

96

29

43

58

86

115