F-PWF/EFF

Technical Bulletin K-Factors for Series PWF & EFF

GENERAL INFORMATION

The accuracy of Dwyer Instruments Inc. flow meters depends on the accuracy of the K-factor for each meter fitting or spool piece. Tee fittings and spool-type meters are wet-calibrated in the factory before shipping to the customer, and the K-factor appears on a label on each individual fitting or meter. Saddle and weldolet fittings cannot be factory-calibrated because the K-factor will vary depending on the type of pipe on which the meter is installed.

SADDLE AND WELDOLET FITTINGS

The charts below give K-factors for Series EFS2 (Electromagnetic) and Series PDWS (Paddle wheel) meters installed in saddle or weldolet fittings on various pipes. On the chart that corresponds to your meter type, locate your pipe size and type. Enter the corresponding K-factor into your controller.

K-FACTORS FOR SADDLE AND WELDOLET FITTINGS

	SERIES PWF FOR SERIES PDWS				SERIES EFF FOR SERIES EFS2				
	3"	4"	6"	8"	3"	4"	6"	8"	10"
PVC/Steel Sch. 40	28.92	16.790	7.412	4.275	70.397	40.985	18.130	10.497	6.674
PVC/Steel Sch. 80	32.368	18.591	8.215	4.684	78.748	45.360	20.084	11.495	7.322
Stainless Steel (10S)	25.614	14.996	6.747	3.926	62.385	36.626	16.510	9.642	6.173
Stainless Steel (40S)	28.920	16.790	7.412	4.275	70.397	40.985	18.130	10.497	6.674
Copper Tubing (Type L)	31.386	17.847	7.981	4.563	76.371	43.552	19.513	11.201	7.230
Copper Tubing (Type K)	32.212	18.294	8.272	4.736	78.371	44.638	20.223	11.622	7.500
Brass Pipe	29.033	17.009	7.268	4.254	70.672	41.517	17.778	10.445	6.674
Duct. Iron (Class 52)	23.548	15.282	6.913	3.485	57.376	37.320	16.915	9.503	6.197

NOTE: These K-factors are in Pulses Per Gallon. To convert to Pulses Per Liter, divide by 3.785.

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Dwyer Instruments, Inc. • 102 Indiana Highway 212 • Michigan City, IN 46360 • USA
(P) 219.879.8868 • (F) 219.872.9057 • 1.800.872.9141 • www.dwyer-inst.com