

Sapphire Insert Assembly Flow Chart

Selection Guide

FLOW - GPM @ PRESSURE INDICATED					
ORIFICE DIA./INS.	20 KPSI (1379 Bar)	25 KPSI (1723 Bar)	30 KPSI (2068 Bar)	36 KPSI (2482 Bar)	40 KPSI (2758 Bar)
0.002	0.012	0.013	0.014	0.016	0.017
0.003	0.026	0.030	0.032	0.036	0.037
0.004	0.047	0.053	0.058	0.063	0.067
0.005	0.074	0.082	0.090	0.099	0.104
0.006	0.106	0.118	0.130	0.142	0.150
0.007	0.144	0.161	0.177	0.193	0.204
0.008	0.188	0.210	0.231	0.253	0.266
0.009	0.238	0.266	0.292	0.320	0.337
0.010	0.294	0.329	0.360	0.395	0.416
0.011	0.356	0.398	0.436	0.478	0.503
0.012	0.424	0.474	0.519	0.568	0.599
0.013	0.497	0.556	0.609	0.667	0.703
0.014	0.577	0.645	0.706	0.774	0.815
0.015	0.662	0.740	0.811	0.888	0.936
0.016	0.753	0.842	0.922	1.010	1.065
0.017	0.850	0.950	1.041	1.141	1.202
0.018	0.953	1.066	1.167	1.279	1.348
0.019	1.062	1.187	1.301	1.425	1.502
0.020	1.177	1.316	1.441	1.579	1.664
0.021	1.297	1.450	1.589	1.740	1.835
0.022	1.424	1.592	1.744	1.910	2.013
0.023	1.556	1.740	1.906	2.088	2.201
0.024	1.694	1.894	2.075	2.273	2.396
0.025	1.838	2.055	2.252	2.467	2.600
0.026	1.988	2.223	2.435	2.668	2.812
0.027	2.144	2.398	2.626	2.877	3.033
0.028	2.306	2.578	2.824	3.094	3.261
0.029	2.474	2.766	3.030	3.319	3.499
0.030	2.647	2.960	3.242	3.552	3.744
0.031	2.827	3.161	3.462	3.793	3.998
0.032	3.012	3.368	3.689	4.041	4.260
0.033	3.203	3.581	3.923	4.298	4.530
0.034	3.400	3.802	4.165	4.562	4.809
0.035	3.603	4.029	4.413	4.834	5.096
0.036	3.812	4.262	4.669	5.115	5.391
0.037	4.027	4.502	4.932	5.403	5.695
0.038	4.248	4.749	5.202	5.699	6.007
0.039	4.474	5.002	5.480	6.003	6.327
0.042	5.189	5.801	6.355	6.962	7.338
0.052	7.954	8.893	9.742	10.671	11.249