

Set press (barg)	ORIFICE DESIGNATION													
	D	E	F	G	H	J	K	L	M	N	P	Q	R	T
0,2	72	135	205	353	541	846	1.218	1.922	2.422	2.882	4.267	7.379	10.589	17.302
0,5	92	172	260	448	686	1.072	1.544	2.437	3.070	3.654	5.409	9.354	13.423	21.932
1	124	232	351	605	928	1.449	2.087	3.294	4.151	4.940	7.312	12.645	18.146	29.650
2	188	353	534	920	1.410	2.204	3.173	5.009	6.311	7.511	11.119	19.228	27.593	45.085
3	253	473	717	1.235	1.893	2.958	4.260	6.725	8.472	10.083	14.925	25.811	37.040	60.521
4	317	594	900	1.550	2.376	3.713	5.346	8.440	10.633	12.654	18.732	32.394	46.486	75.956
5	382	715	1.083	1.865	2.859	4.467	6.433	10.155	12.794	15.226	22.538	38.977	55.933	91.391
6	446	835	1.266	2.180	3.342	5.222	7.519	11.870	14.954	17.797	26.345	45.560	65.379	106.827
7	511	956	1.448	2.495	3.825	5.976	8.606	13.585	17.115	20.369	30.151	52.143	74.826	122.262
8	575	1.077	1.631	2.810	4.308	6.731	9.692	15.300	19.276	22.940	33.958	58.727	84.273	137.698
9	640	1.198	1.814	3.125	4.790	7.485	10.779	17.015	21.437	25.512	37.764	65.310	93.719	153.133
10	704	1.318	1.997	3.440	5.273	8.240	11.865	18.730	23.598	28.083	41.571	71.893	103.166	168.568
12	833	1.560	2.363	4.070	6.239	9.749	14.038	22.160	27.919	33.226	49.184	85.059	122.059	199.439
14	962	1.801	2.728	4.700	7.205	11.258	16.211	25.590	32.241	38.369	56.797	98.225	140.953	230.310
16	1.091	2.043	3.094	5.330	8.171	12.767	18.384	29.020	36.562	43.512	64.410	111.391	159.846	261.181
18	1.220	2.284	3.460	5.960	9.136	14.276	20.557	32.450	40.884	48.655	72.023	124.557	178.739	292.051
20	1.349	2.526	3.826	6.590	10.102	15.784	22.730	35.880	45.205	53.798	79.636	137.723	197.633	322.922
22	1.478	2.767	4.191	7.220	11.068	17.293	24.903	39.310	49.527	58.941	87.249	150.889		
24	1.607	3.008	4.557	7.850	12.034	18.802	27.075	42.740	53.848	64.084	94.862	164.055		
26	1.735	3.250	4.923	8.480	12.999	20.311	29.248	46.170	58.170	69.227	102.475	177.221		
28	1.864	3.491	5.289	9.110	13.965	21.820	31.421	49.601	62.491	74.370	110.088	190.387		
30	1.993	3.733	5.654	9.740	14.931	23.329	33.594	53.031	66.813	79.513	117.701	203.553		
32	2.122	3.974	6.020	10.370	15.896	24.838	35.767	56.461	71.134	84.656	125.314	216.719		
34	2.251	4.216	6.386	11.000	16.862	26.347	37.940	59.891	75.456	89.799	132.927	229.885		
36	2.380	4.457	6.751	11.630	17.828	27.856	40.113	63.321	79.778	94.942	140.540	243.051		
38	2.509	4.698	7.117	12.260	18.794	29.365	42.286	66.751	84.099	100.085	148.153	256.217		
40	2.638	4.940	7.483	12.890	19.759	30.874	44.459	70.181	88.421	105.228	155.766	269.383		
50	3.283	6.147	9.311	16.040	24.588	38.419	55.323	87.332	110.028	130.943	193.832			
60	3.927	7.354	11.140	19.191	29.417	45.964	66.188	104.482	131.636	156.658	231.897			
70	4.572	8.561	12.969	22.341	34.246	53.509	77.052	121.632	153.244					
80	5.217	9.769	14.797	25.491	39.074	61.053	87.917	138.783						
90	5.861	10.976	16.626	28.641	43.903	68.598	98.782	155.933						
100	6.506	12.183	18.455	31.791	48.732	76.143	109.646	173.084						
120	7.795	14.597	22.112	38.091	58.389	91.233	131.375							
140	9.085	17.012	25.769	44.391	68.046	106.322	153.104							
160	10.374	19.426	29.426	50.691	77.704	121.412								
180	11.663	21.840	33.083	56.991	87.361	136.502								
200	12.953	24.255	36.741	63.292										
220	14.242	26.669	40.398	69.592										
240	15.531	29.083	44.055	75.892										
260	16.820	31.498	47.712											
280	18.110	33.912	51.370											
300	19.399	36.326	55.027											
350	22.622	42.362												
400	25.846	48.398												

E 2013

Flow capacity / Caudal de aire (kg/h)
 Overpressure / Sobrepresión 10%
 Temperature / Temperatura 20° C
 Calculation according / Calculos según ISO EN 4126-1 / API 520

Set press (barg)	ORIFICE DESIGNATION													
	D	E	F	G	H	J	K	L	M	N	P	Q	R	T
0,2	56	105	159	274	420	656	944	1.490	1.878	2.234	3.308	5.720	8.208	13.412
0,5	71	133	201	347	532	831	1.197	1.889	2.380	2.832	4.193	7.251	10.405	17.002
1	96	180	272	469	719	1.123	1.618	2.554	3.218	3.829	5.668	9.803	14.067	22.984
2	146	273	414	713	1.093	1.708	2.460	3.883	4.893	5.823	8.619	14.906	21.390	34.950
3	196	367	556	957	1.468	2.293	3.302	5.213	6.568	7.816	11.570	20.009	28.713	46.915
4	246	460	698	1.202	1.842	2.878	4.144	6.542	8.243	9.809	14.521	25.112	36.036	58.881
5	296	554	839	1.446	2.216	3.463	4.987	7.872	9.918	11.803	17.471	30.215	43.359	70.846
6	346	648	981	1.690	2.591	4.048	5.829	9.201	11.593	13.796	20.422	35.318	50.682	82.812
7	396	741	1.123	1.934	2.965	4.633	6.671	10.531	13.268	15.790	23.373	40.421	58.005	94.777
8	446	835	1.265	2.178	3.339	5.218	7.513	11.860	14.943	17.783	26.324	45.524	65.328	106.742
9	496	928	1.406	2.423	3.714	5.802	8.356	13.190	16.618	19.776	29.275	50.628	72.651	118.708
10	546	1.022	1.548	2.667	4.088	6.387	9.198	14.519	18.293	21.770	32.225	55.731	79.974	130.673
12	646	1.209	1.832	3.155	4.837	7.557	10.882	17.178	21.643	25.757	38.127	65.937	94.620	154.604
14	746	1.396	2.115	3.644	5.585	8.727	12.567	19.837	24.993	29.743	44.029	76.143	109.266	178.535
16	846	1.583	2.399	4.132	6.334	9.897	14.251	22.496	28.343	33.730	49.930	86.349	123.912	202.466
18	946	1.771	2.682	4.620	7.082	11.066	15.935	25.155	31.693	37.717	55.832	96.556	138.558	226.396
20	1.045	1.958	2.966	5.109	7.831	12.236	17.620	27.814	35.043	41.704	61.733	106.762	153.204	250.327
22	1.145	2.145	3.249	5.597	8.580	13.406	19.304	30.473	38.393	45.691	67.635	116.968		
24	1.245	2.332	3.533	6.085	9.328	14.576	20.989	33.132	41.743	49.677	73.536	127.174		
26	1.345	2.519	3.816	6.574	10.077	15.745	22.673	35.791	45.093	53.664	79.438	137.381		
28	1.445	2.706	4.100	7.062	10.826	16.915	24.358	38.450	48.443	57.651	85.340	147.587		
30	1.545	2.894	4.383	7.551	11.574	18.085	26.042	41.109	51.793	61.638	91.241	157.793		
32	1.645	3.081	4.667	8.039	12.323	19.254	27.726	43.768	55.143	65.625	97.143	167.999		
34	1.745	3.268	4.950	8.527	13.071	20.424	29.411	46.427	58.493	69.612	103.044	178.205		
36	1.845	3.455	5.234	9.016	13.820	21.594	31.095	49.086	61.843	73.598	108.946	188.412		
38	1.945	3.642	5.517	9.504	14.569	22.764	32.780	51.745	65.193	77.585	114.848	198.618		
40	2.045	3.829	5.801	9.993	15.317	23.933	34.464	54.404	68.543	81.572	120.749	208.824		
50	2.545	4.765	7.218	12.434	19.061	29.782	42.886	67.699	85.293	101.506	150.257			
60	3.044	5.701	8.636	14.876	22.804	35.631	51.308	80.994	102.043	121.440	179.765			
70	3.544	6.637	10.053	17.318	26.547	41.480	59.731	94.289	118.793					
80	4.044	7.573	11.471	19.760	30.290	47.328	68.153	107.584						
90	4.544	8.508	12.888	22.202	34.033	53.177	76.575	120.878						
100	5.043	9.444	14.306	24.644	37.776	59.026	84.997	134.173						
120	6.043	11.316	17.141	29.528	45.263	70.723	101.841							
140	7.042	13.187	19.976	34.412	52.749	82.420	118.685							
160	8.042	15.059	22.811	39.296	60.235	94.118								
180	9.041	16.930	25.646	44.179	67.722	105.815								
200	10.041	18.802	28.481	49.063										
220	11.040	20.674	31.316	53.947										
240	12.040	22.545	34.151	58.831										
260	13.039	24.417	36.986											
280	14.039	26.288	39.821											
300	15.038	28.160	42.657											
350	17.537	32.839												
400	20.035	37.518												

E 2013

Flow capacity / Caudal de aire (Nm³/h)
 Overpressure / Sobrepresión 10%
 Temperature / Temperatura 0° C
 Calculation according / Calculos según ISO EN 4126-1 / API 520

Set press (psig)	ORIFICE DESIGNATION													
	D	E	F	G	H	J	K	L	M	N	P	Q	R	T
40	114	214	323	557	854	1.335	1.922	3.034	3.822	4.549	6.734	11.645	16.711	27.305
50	135	254	384	662	1.014	1.585	2.282	3.602	4.539	5.401	7.996	13.828	19.843	32.422
60	157	294	445	766	1.174	1.835	2.642	4.171	5.255	6.254	9.257	16.010	22.974	37.539
70	178	334	505	871	1.334	2.085	3.002	4.740	5.971	7.106	10.519	18.192	26.106	42.656
80	200	374	566	975	1.494	2.335	3.363	5.308	6.688	7.959	11.781	20.374	29.237	47.772
90	221	414	627	1.079	1.655	2.585	3.723	5.877	7.404	8.811	13.043	22.557	32.369	52.889
100	242	454	687	1.184	1.815	2.835	4.083	6.445	8.120	9.664	14.305	24.739	35.501	58.006
120	285	534	808	1.393	2.135	3.336	4.803	7.582	9.553	11.369	16.829	29.104	41.764	68.240
140	328	614	930	1.602	2.455	3.836	5.524	8.719	10.985	13.074	19.352	33.468	48.027	78.474
160	370	694	1.051	1.810	2.775	4.336	6.244	9.856	12.418	14.778	21.876	37.833	54.290	88.708
180	413	774	1.172	2.019	3.095	4.836	6.964	10.994	13.851	16.483	24.400	42.197	60.554	98.942
200	456	854	1.293	2.228	3.415	5.337	7.685	12.131	15.283	18.188	26.924	46.562	66.817	109.175
220	499	934	1.415	2.437	3.736	5.837	8.405	13.268	16.716	19.893	29.448	50.927	73.080	119.409
240	541	1.014	1.536	2.646	4.056	6.337	9.125	14.405	18.148	21.598	31.971	55.291	79.343	129.643
260	584	1.094	1.657	2.855	4.376	6.837	9.846	15.542	19.581	23.303	34.495	59.656	85.607	139.877
280	627	1.174	1.778	3.063	4.696	7.337	10.566	16.679	21.014	25.008	37.019	64.021	91.870	150.111
300	670	1.254	1.900	3.272	5.016	7.838	11.286	17.816	22.446	26.713	39.543	68.385	98.133	160.344
320	712	1.334	2.021	3.481	5.336	8.338	12.007	18.953	23.879	28.418	42.066	72.750		
340	755	1.414	2.142	3.690	5.656	8.838	12.727	20.090	25.312	30.123	44.590	77.114		
360	798	1.494	2.263	3.899	5.977	9.338	13.447	21.227	26.744	31.828	47.114	81.479		
380	841	1.574	2.385	4.108	6.297	9.839	14.168	22.364	28.177	33.533	49.638	85.844		
400	883	1.654	2.506	4.317	6.617	10.339	14.888	23.502	29.609	35.238	52.161	90.208		
420	926	1.734	2.627	4.525	6.937	10.839	15.608	24.639	31.042	36.943	54.685	94.573		
440	969	1.814	2.748	4.734	7.257	11.339	16.329	25.776	32.475	38.647	57.209	98.937		
460	1.012	1.894	2.870	4.943	7.577	11.839	17.049	26.913	33.907	40.352	59.733	103.302		
480	1.054	1.974	2.991	5.152	7.897	12.340	17.769	28.050	35.340	42.057	62.256	107.667		
500	1.097	2.054	3.112	5.361	8.218	12.840	18.490	29.187	36.772	43.762	64.780	112.031		
600	1.311	2.455	3.718	6.405	9.818	15.341	22.091	34.872	43.935	52.287	77.399			
700	1.525	2.855	4.324	7.449	11.419	17.842	25.693	40.558	51.099	60.811	90.018			
800	1.738	3.255	4.931	8.494	13.020	20.343	29.295	46.243	58.262					
900	1.952	3.655	5.537	9.538	14.621	22.845	32.896	51.929						
1000	2.166	4.055	6.143	10.582	16.221	25.346	36.498	57.614						
1100	2.379	4.455	6.749	11.626	17.822	27.847	40.099	63.300						
1200	2.593	4.856	7.355	12.671	19.423	30.348	43.701							
1300	2.807	5.256	7.962	13.715	21.023	32.849	47.303							
1400	3.020	5.656	8.568	14.759	22.624	35.350								
1500	3.234	6.056	9.174	15.804	24.225	37.851								
2000	4.303	8.057	12.205	21.025										
2500	5.371	10.058	15.236	26.246										
3000	6.440	12.059	18.267	31.468										
3500	7.508	14.060	21.298											
4000	8.577	16.061	24.329											
4500	9.645	18.062	27.360											
5000														
6000														

E 2013

Flow capacity / Caudal de aire (S.C.F.M.)
 Overpressure / Sobrepresión 10%
 Temperature / Temperatura 60° F
 Calculation according / Calculos según ISO EN 4126-1 / API 520 / ASME Section VIII

Set press (psig)	ORIFICE DESIGNATION													
	D	E	F	G	H	J	K	L	M	N	P	Q	R	T
15	172	322	488	840	1.288	2.013	2.899	4.576	5.765	6.861	10.155	17.563	25.203	41.180
20	202	379	574	989	1.515	2.368	3.410	5.382	6.781	8.070	11.946	20.659	29.646	48.440
30	263	492	746	1.285	1.970	3.077	4.432	6.996	8.814	10.489	15.526	26.852	38.532	62.960
40	324	606	918	1.581	2.424	3.787	5.454	8.609	10.846	12.908	19.107	33.044	47.418	77.479
50	384	720	1.090	1.878	2.878	4.497	6.476	10.222	12.879	15.327	22.688	39.236	56.304	91.999
60	445	833	1.262	2.174	3.332	5.207	7.498	11.835	14.911	17.746	26.268	45.429	65.191	106.518
70	506	947	1.434	2.470	3.786	5.916	8.520	13.449	16.944	20.165	29.849	51.621	74.077	121.038
80	566	1.060	1.606	2.766	4.241	6.626	9.542	15.062	18.976	22.583	33.430	57.814	82.963	135.557
90	627	1.174	1.778	3.063	4.695	7.336	10.564	16.675	21.009	25.002	37.011	64.006	91.849	150.077
100	687	1.287	1.950	3.359	5.149	8.045	11.586	18.288	23.042	27.421	40.591	70.199	100.735	164.596
120	809	1.514	2.294	3.952	6.058	9.465	13.629	21.515	27.107	32.259	47.753	82.583	118.508	193.636
140	930	1.741	2.638	4.544	6.966	10.884	15.673	24.742	31.172	37.097	54.914	94.968	136.280	222.675
160	1.051	1.969	2.982	5.137	7.874	12.304	17.717	27.968	35.237	41.935	62.075	107.353	154.052	251.714
180	1.173	2.196	3.326	5.730	8.783	13.723	19.761	31.195	39.302	46.773	69.237	119.738	171.825	280.753
200	1.294	2.423	3.670	6.322	9.691	15.143	21.805	34.421	43.367	51.610	76.398	132.123	189.597	309.792
220	1.415	2.650	4.014	6.915	10.600	16.562	23.849	37.648	47.432	56.448	83.559	144.508	207.369	338.831
240	1.536	2.877	4.358	7.508	11.508	17.982	25.893	40.874	51.497	61.286	90.721	156.893	225.141	367.870
260	1.658	3.104	4.702	8.100	12.417	19.401	27.937	44.101	55.563	66.124	97.882	169.277	242.914	396.909
280	1.779	3.331	5.046	8.693	13.325	20.820	29.981	47.328	59.628	70.962	105.043	181.662	260.686	425.948
300	1.900	3.558	5.390	9.285	14.233	22.240	32.025	50.554	63.693	75.800	112.205	194.047	278.458	454.987
320	2.022	3.785	5.734	9.878	15.142	23.659	34.069	53.781	67.758	80.637	119.366	206.432		
340	2.143	4.013	6.078	10.471	16.050	25.079	36.113	57.007	71.823	85.475	126.527	218.817		
360	2.264	4.240	6.422	11.063	16.959	26.498	38.157	60.234	75.888	90.313	133.689	231.202		
380	2.385	4.467	6.766	11.656	17.867	27.918	40.201	63.460	79.953	95.151	140.850	243.586		
400	2.507	4.694	7.110	12.249	18.776	29.337	42.245	66.687	84.018	99.989	148.011	255.971		
420	2.628	4.921	7.454	12.841	19.684	30.756	44.289	69.914	88.083	104.827	155.173	268.356		
440	2.749	5.148	7.798	13.434	20.593	32.176	46.333	73.140	92.149	109.664	162.334	280.741		
460	2.871	5.375	8.142	14.027	21.501	33.595	48.377	76.367	96.214	114.502	169.495	293.126		
480	2.992	5.602	8.486	14.619	22.409	35.015	50.421	79.593	100.279	119.340	176.657	305.511		
500	3.113	5.829	8.830	15.212	23.318	36.434	52.465	82.820	104.344	124.178	183.818	317.896		
600	3.719	6.965	10.551	18.175	27.860	43.531	62.685	98.953	124.670	148.367	219.625	379.820		
700	4.326	8.101	12.271	21.138	32.402	50.628	72.905	115.085	144.995	172.556	255.431	441.744		
800	4.932	9.236	13.991	24.101	36.944	57.726	83.125	131.218	165.321	196.745	291.238			
900	5.539	10.372	15.711	27.064	41.487	64.823	93.345	147.351	185.646	220.935	327.045			
1000	6.145	11.507	17.431	30.028	46.029	71.920	103.565	163.484	205.972	245.124	362.851			
1100	6.752	12.643	19.151	32.991	50.571	79.017	113.785	179.617	226.298					
1200	7.358	13.778	20.871	35.954	55.113	86.114	124.005	195.750						
1300	7.964	14.914	22.591	38.917	59.655	93.212	134.225	211.882						
1400	8.571	16.049	24.311	41.880	64.198	100.309	144.444	228.015						
1500	9.177	17.185	26.032	44.844	68.740	107.406	154.664	244.148						
2000	12.209	22.863	34.632	59.659	91.451	142.892	205.764							
2500	15.241	28.540	43.233	74.475	114.162	178.378								

Flow capacity / Caudal (lb/h)

Overpressure / Sobrepresión 10%

Calculation according / Calculos según ISO EN 4126-1 / API 520 / ASME Section VIII

Model 1415
Capacity WATER / Caudal de Agua (kg/h)

Set press (barg)	ORIFICE DESIGNATION													
	D	E	F	G	H	J	K	L	M	N	P	Q	R	T
0,2	1.083	2.029	3.073	5.294	8.115	12.679	18.258	28.821	36.312	43.214	63.968	110.627	158.750	259.390
0,5	1.713	3.208	4.859	8.370	12.830	20.047	28.868	45.570	57.414	68.327	101.143	174.917	251.007	410.132
1	2.422	4.536	6.871	11.837	18.145	28.351	40.826	64.446	81.195	96.629	143.038	247.370	354.977	580.015
2	3.426	6.415	9.718	16.740	25.661	40.095	57.736	91.141	114.827	136.654	202.286	349.834	502.013	820.265
3	4.196	7.857	11.902	20.502	31.428	49.106	70.712	111.624	140.634	167.366	247.748	428.457	614.838	1.004.615
4	4.845	9.072	13.743	23.674	36.290	56.702	81.651	128.892	162.390	193.258	286.075	494.740	709.954	1.160.029
5	5.417	10.143	15.365	26.468	40.573	63.395	91.289	144.106	181.558	216.069	319.842	553.136	793.752	1.296.952
6	5.934	11.111	16.831	28.995	44.445	69.446	100.002	157.860	198.887	236.691	350.369	605.930	869.512	1.420.740
7	6.409	12.002	18.180	31.318	48.006	75.010	108.015	170.508	214.822	255.656	378.442	654.479	939.180	1.534.575
8	6.852	12.830	19.435	33.480	51.321	80.189	115.472	182.281	229.654	273.308	404.571	699.668	1.004.026	1.640.529
9	7.267	13.609	20.614	35.511	54.434	85.054	122.477	193.338	243.585	289.887	429.113	742.110	1.064.930	1.740.044
10	7.660	14.345	21.729	37.432	57.379	89.654	129.102	203.796	256.761	305.567	452.324	782.252	1.122.535	1.834.167
12	8.392	15.714	23.803	41.005	62.855	98.211	141.424	223.248	281.268	334.732	495.497	856.914	1.229.676	2.009.230
14	9.064	16.973	25.710	44.290	67.891	106.080	152.756	241.135	303.804	361.552	535.197	925.573	1.328.202	2.170.216
16	9.690	18.145	27.486	47.348	72.579	113.405	163.303	257.784	324.780	386.515	572.150	989.479	1.419.907	2.320.059
18	10.278	19.245	29.153	50.220	76.982	120.284	173.209	273.422	344.482	409.961	606.857	1.049.501	1.506.039	2.460.794
20	10.833	20.286	30.730	52.937	81.146	126.790	182.578	288.212	363.115	432.137	639.683	1.106.272	1.587.505	2.593.904
22	11.362	21.277	32.230	55.521	85.106	132.979	191.489	302.279	380.839	453.229	670.906	1.160.267		
24	11.867	22.223	33.663	57.989	88.891	138.892	200.004	315.720	397.773	473.383	700.738	1.211.860		
26	12.352	23.130	35.037	60.357	92.520	144.563	208.171	328.612	414.015	492.712	729.351	1.261.344		
28	12.818	24.003	36.360	62.636	96.013	150.020	216.029	341.017	429.644	511.312	756.884	1.308.958		
30	13.268	24.846	37.636	64.834	99.383	155.286	223.612	352.986	444.724	529.258	783.449	1.354.900		
32	13.703	25.661	38.870	66.960	102.642	160.378	230.945	364.562	459.309	546.615	809.142	1.399.335		
34	14.125	26.450	40.067	69.021	105.801	165.314	238.053	375.782	473.445	563.438	834.045	1.442.402		
36	14.535	27.217	41.228	71.022	108.869	170.107	244.954	386.676	487.170	579.773	858.225	1.484.219		
38	14.933	27.963	42.358	72.968	111.852	174.768	251.666	397.272	500.520	595.660	881.743	1.524.890		
40	15.321	28.689	43.458	74.864	114.757	179.309	258.204	407.593	513.523	611.134	904.649	1.564.504		
50	17.129	32.076	48.588	83.700	128.303	200.473	288.681	455.703	574.136	683.269	1.011.428			
60	18.764	35.137	53.226	91.689	140.549	219.607	316.234	499.197	628.934	748.484	1.107.964			
70	20.268	37.952	57.490	99.036	151.810	237.203	341.572	539.195	679.327					
80	21.667	40.573	61.460	105.874	162.292	253.581	365.156	576.423						
90	22.981	43.034	65.188	112.296	172.136	268.963	387.306	611.389						
100	24.224	45.362	68.714	118.370	181.448	283.512	408.257	644.461						
120	26.536	49.691	75.272	129.668	198.766	310.572	447.223							
140	28.663	53.673	81.303	140.058	214.692	335.456	483.056							
160	30.642	57.379	86.917	149.728	229.515	358.617								
180	32.500	60.859	92.189	158.810	243.437	380.371								
200	34.258	64.151	97.176	167.401										
220	35.930	67.283	101.919	175.572										
240	37.528	70.274	106.451	183.379										
260	39.061	73.144	110.798											
280	40.535	75.905	114.980											
300	41.958	78.569	119.016											
350	45.320	84.864												
400	48.449	90.724												

E 2013

Flow capacity / Caudal (kg/h)
 Overpressure / Sobrepresión 10%
 Calculation according / Calculos según ISO EN 4126-1 / API 520

Model 1415
Capacity WATER / Caudal de Agua (gpm)

US Units

Set press (psig)	ORIFICE DESIGNATION													
	D	E	F	G	H	J	K	L	M	N	P	Q	R	T
15	11	20	31	53	81	127	183	288	363	432	640	1.107	1.588	2.595
20	13	23	35	61	94	146	211	333	419	499	739	1.278	1.834	2.996
30	15	29	43	75	115	179	258	408	514	611	905	1.565	2.246	3.670
40	18	33	50	86	133	207	298	471	593	706	1.045	1.807	2.593	4.237
50	20	37	56	97	148	232	333	526	663	789	1.168	2.020	2.899	4.738
60	22	41	61	106	162	254	365	577	726	865	1.280	2.213	3.176	5.190
70	23	44	66	114	175	274	395	623	785	934	1.382	2.391	3.431	5.605
80	25	47	71	122	187	293	422	666	839	998	1.478	2.556	3.668	5.993
90	27	50	75	130	199	311	447	706	890	1.059	1.567	2.711	3.890	6.356
100	28	52	79	137	210	327	472	744	938	1.116	1.652	2.857	4.100	6.700
120	31	57	87	150	230	359	517	815	1.027	1.223	1.810	3.130	4.492	7.339
140	33	62	94	162	248	387	558	881	1.110	1.321	1.955	3.381	4.852	7.927
160	35	66	100	173	265	414	597	942	1.186	1.412	2.090	3.614	5.187	8.475
180	38	70	106	183	281	439	633	999	1.258	1.498	2.217	3.834	5.501	8.989
200	40	74	112	193	296	463	667	1.053	1.326	1.579	2.337	4.041	5.799	9.475
220	42	78	118	203	311	486	699	1.104	1.391	1.656	2.451	4.238	6.082	9.937
240	43	81	123	212	325	507	731	1.153	1.453	1.729	2.560	4.427	6.352	10.379
260	45	84	128	220	338	528	760	1.200	1.512	1.800	2.664	4.607	6.612	10.803
280	47	88	133	229	351	548	789	1.246	1.569	1.868	2.765	4.781	6.861	11.211
300	48	91	137	237	363	567	817	1.289	1.624	1.933	2.862	4.949		
320	50	94	142	245	375	586	844	1.332	1.678	1.997	2.956	5.111		
340	52	97	146	252	386	604	870	1.373	1.729	2.058	3.047	5.269		
360	53	99	151	259	398	621	895	1.412	1.780	2.118	3.135	5.422		
380	55	102	155	267	409	638	919	1.451	1.828	2.176	3.221	5.570		
400	56	105	159	273	419	655	943	1.489	1.876	2.232	3.304	5.715		
420	57	107	163	280	430	671	966	1.526	1.922	2.287	3.386	5.856		
440	59	110	166	287	440	687	989	1.562	1.967	2.341	3.466	5.994		
460	60	112	170	293	450	702	1.011	1.597	2.012	2.394	3.544	6.128		
480	61	115	174	300	459	717	1.033	1.631	2.055	2.445	3.620	6.260		
500	63	117	177	306	469	732	1.054	1.665	2.097	2.496	3.695	6.389		
600	69	128	194	335	513	802	1.155	1.823	2.297	2.734	4.047	6.999		
700	74	139	210	362	555	866	1.248	1.970	2.481	2.953	4.371			
800	79	148	224	387	593	926	1.334	2.106	2.653	3.157	4.673			
900	84	157	238	410	629	982	1.415	2.233	2.814					
1000	88	166	251	432	663	1.036	1.491	2.354						
1100	93	174	263	453	695	1.086	1.564	2.469						
1200	97	182	275	474	726	1.134	1.634	2.579						
1300	101	189	286	493	756	1.181	1.700	2.684						
1400	105	196	297	512	784	1.225								
1500	108	203	307	530	812	1.268								
2000	125	234	355	611	937	1.465								
2500	140	262	397	684	1.048	1.637								
3000	153	287	435	749	1.148									
4000	177	331	502											
5000	198	371												

E 2013

Flow capacity / Caudal (gpm)
 Overpressure / Sobrepresión 10%
 Calculation according / Calculos según ISO EN 4126-1 / API 520 / ASME Section VIII