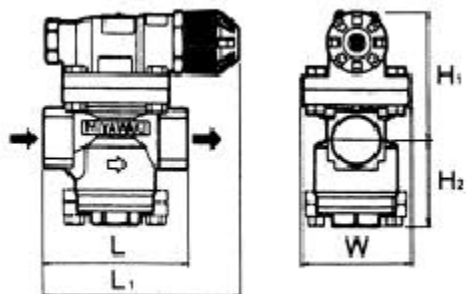


Steam Pressure Reducing Valve

RE 3

Features

1. Internal pilot operated pressure reducing valve
2. Small physical size for easy installation.
3. Accurate regulation and extended service life are achieved with the use of a unique stainless steel micro-bellows pilot mechanism.
4. Main piston with TEFLON seal provides continuous wiping action to keep the liner clean, operation and improving reliability.
5. Wide adjusting range will handle any installation without the necessity of spring and diaphragm changes.
6. Plastic adjusting handle allows for pressure adjustments without the need for hand tools.
7. Brass body with stainless steel internals.



Model	Connection	Size (in)	Max Steam Pressure (psig)	Adjusting Range (psig)	Max Press. Drop (Ratio)	Max Temp. °F	Dimensions					Weight (lbs)
							L	L1	H1	H2	W	
RE3	NPT	1/2	230	5-175	20:1	425	3.5	5	3.4	2.3	2.9	5.9
		3/4					3.7	5.1				6.2
		1					3.9	5.2	13.6			
		1 1/4					5.1	6.1	4.4	2.9	3.8	13.9
		1 1/2					5.5	6.2	4.8	3.1	4.3	18.3
		2										

CAPACITY DATA

1/2" RE3 STEAM CAPACITY

INLET STEAM PRESSURE

REDUCED STEAM PRESSURE	PSIG	15	20	30	35	45	50	60	65	70	80	85	90	100	110	115	120	130	135	140	155	170	185	200	215	230	
	5	35	51	62	73	81	92																				
15			53	68	81	92	103	112	123	134	145	154	165	176	185	196	207	216	227								
30					64	79	95	110	123	134	145	154	165	176	185	196	207	216	227	246	268	288	308	330	350		
45							70	90	106	121	136	152	165	176	185	196	207	216	227	246	268	288	308	330	350		
60								79	99	117	132	147	163	178	191	207	216	227	246	268	288	308	330	350			
70										86	108	125	143	158	176	189	205	220	246	268	288	308	330	350			
85												92	114	134	152	169	187	202	231	260	288	308	330	350			
100													99	121	143	161	180	213	244	273	301	330	350				
115																103	128	150	189	222	255	286	315	343			
130																		108	158	198	233	266	297	328			
140																				114	165	207	242	275	308		
155																						119	172	213	251	286	
170																							123	178	222	260	

3/4" RE3 STEAM CAPACITY

INLET STEAM PRESSURE

REDUCED STEAM PRESSURE	PSIG	15	20	30	35	45	50	60	65	70	80	85	90	100	110	115	120	130	135	140	155	170	185	200	215	230	
	5	84	119	147	172	196	220																				
15			125	163	196	220	244	268	293	317	343	367	392	416	440	464	488	513	539								
30					150	189	227	260	293	317	343	367	392	416	440	464	488	513	539	587	636	684	733	783	832		
45							169	213	253	288	323	359	392	416	440	464	488	513	539	587	636	684	733	783	832		
60								187	235	277	315	352	387	422	455	488	513	539	587	636	684	733	783	832			
70										202	253	299	339	378	416	451	486	513	539	587	636	684	733	783	832		
85												218	273	319	363	403	442	480	513	550	587	636	684	733	783	832	
100													233	288	339	383	422	460	493	530	567	604	641	678	715	752	
115																	246	306	359	403	449	495	541	587	633	679	
130																			108	374	429	485	541	597	653	709	
140																					271	327	383	439	495	551	
155																						119	175	231	287	343	
170																							293	349	405	461	

1" RE3 STEAM CAPACITY

INLET STEAM PRESSURE

REDUCED STEAM PRESSURE	PSIG	15	20	30	35	45	50	60	65	70	80	85	90	100	110	115	120	130	135	140	155	170	185	200	215	230
	5	132	187	231	271	308	348																			
15			200	255	308	348	387	425	464	502	541	579	618	656	695	733	772	812	849							
30					235	299	356	411	464	502	541	579	618	656	695	733	772	812	849	926	1003	1080	1159	1236	1313	
45							268	337	398	458	513	565	618	656	695	733	772	812	849	926	1003	1080	1159	1236	1313	
60								295	370	436	497	557	612	667	719	772	812	849	926	1003	1080	1159	1236	1313		
70										621	700	771	837	898	958	1018	1078	1138	1198	1258	1318	1378	1438	1498	1558	
85												345	429	504	572	636	697	757	817	877	937	997	1057	1117	1177	1237
100														367	458	535	605	673	739	805	871	937	1003	1069	1135	1201
115																	389	482	563	633	703	773	843	913	983	1053
130																			409	503	585	655	725	795	865	935
140																					427	517	599	669	739	809
155																						447	537	619	689	759
170																							462	552	634	704

CAPACITY DATA

1 1/4" RE3 STEAM CAPACITY

INLET STEAM PRESSURE

REDUCED STEAM PRESSURE	PSIG	15	20	30	35	45	50	60	65	70	80	85	90	100	110	115	120	130	140	155	170	185	200	215	230
	5	218	306	378	442	504	568																		
15			326	418	504	568	631	693	757	821	882	946	1010	1071	1135	1199	1261	1388							
30					385	488	583	671	757	821	882	946	1010	1071	1135	1199	1261	1388	1514	1639	1767	1892	2017	2145	
45							436	550	651	746	836	924	1010	1071	1135	1199	1261	1388	1514	1639	1767	1892	2017	2145	
60									482	605	713	814	909	1001	1089	1175	1261	1388	1514	1639	1767	1892	2017	2145	
70											526	656	770	876	977	1071	1164	1342	1514	1639	1767	1892	2017	2145	
85													563	702	823	935	1038	1234	1419	1595	1767	1892	2017	2145	
100														601	746	873	1098	1302	1492	1672	1846	2017	2145		
115																	634	920	1155	1366	1560	1747	1925	2099	
130																		667	966	1208	1426	1628	1817	2000	
140																			697	1008	1261	1485	1692	1885	
155																				728	1049	1309	1540	1753	
170																					757	1089	1357	1595	

1 1/2" RE3 STEAM CAPACITY

INLET STEAM PRESSURE

REDUCED STEAM PRESSURE	PSIG	15	20	30	35	45	50	60	65	70	80	85	90	100	110	115	120	130	140	155	170	185	200	215	230
	5	297	425	526	612	700	788																		
15			451	581	700	788	876	984	1049	1137	1225	1313	1399	1487	1575	1663	1751	1925							
30					535	878	807	931	1049	1137	1225	1313	1399	1487	1575	1663	1751	1925	2101	2275	2451	2625	2801	2977	
45							605	763	904	1034	1159	1280	1399	1487	1575	1663	1751	1925	2101	2275	2451	2625	2801	2977	
60									669	838	990	1129	1261	1388	1511	1632	1751	1925	2101	2275	2451	2625	2801	2977	
70											728	909	1069	1217	1355	1487	1615	1861	2101	2275	2451	2625	2801	2977	
85												783	975	1142	1298	1443	1714	1969	2313	2451	2625	2801	2977		
100														834	1034	1212	1525	1806	2070	2321	2563	2801	2977		
115																	880	1278	1604	1894	2165	2424	2671	2913	
130																		926	1340	1679	1978	2257	2523	2776	
140																			968	1399	1749	2059	2347	2618	
155																				1010	1456	1817	2138	2431	
170																					1049	1511	1883	2213	

2" RE3 STEAM CAPACITY

INLET STEAM PRESSURE

REDUCED STEAM PRESSURE	PSIG	15	20	30	35	45	50	60	65	70	80	85	90	100	110	115	120	130	140	155	170	185	200	215	230
	5	526	750	926	1080	1236	1390																		
15			796	1023	1236	1390	1544	1698	1852	2009	2163	2317	2471	2625	2781	2935	3089	3397							
30					944	1195	1426	1643	1852	2009	2163	2317	2471	2625	2781	2935	3089	3397	3707	4015	4325	4633	4941	5251	
45							1069	1346	1593	1826	2048	2262	2471	2625	2781	2935	3089	3397	3707	4015	4325	4633	4941	5251	
60									1181	1481	1747	1993	2226	2451	2666	2880	3089	3397	3707	4015	4325	4633	4941	5251	
70											1285	1604	1885	2145	2361	2625	2851	3287	3707	4015	4325	4633	4941	5251	
85													1379	1718	2015	2288	2545	3025	3474	3905	4325	4633	4941	5251	
100														1470	1826	2138	2691	3188	3652	4094	4523	4941	5251		
115																1553	2255	2829	3344	3821	4277	4715	5139		
130																		1632	2365	2961	3491	3984	4451	4899	
140																			1709	2468	3087	3634	4140	4620	
155																				1782	2570	3208	3771	4292	
170																					1852	2666	3324	3905	

