

Stainless Steel, Soft Seat Safety Valves

ASME Section XIII / National Board Certified
High Capacity Flow Rates

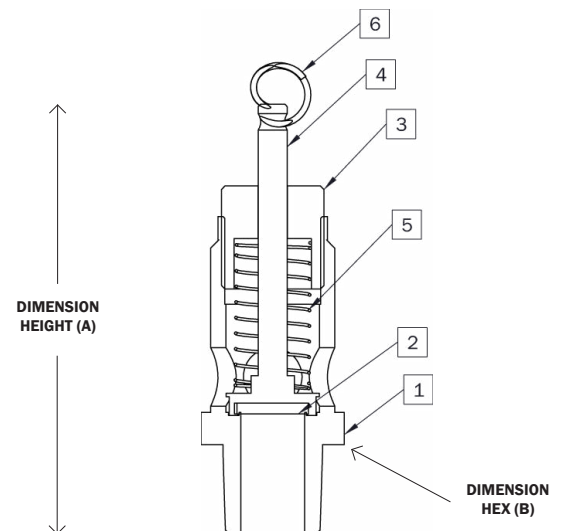
- Designed to API 527 Seat Tightness Standard
- Stainless steel components for long-lasting performance in corrosive environments
- Tested with National Board Approved Quality Assurance Process
- Available Sizes: 1/4" NPT up to 1 1/4" NPT
- Operating Temperature: -20°F to 400°F
- Set Pressure Range: 20 to 450 psig
- FKM disc standard



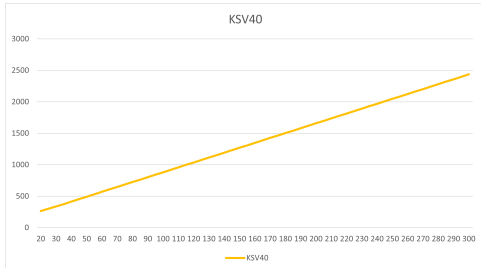
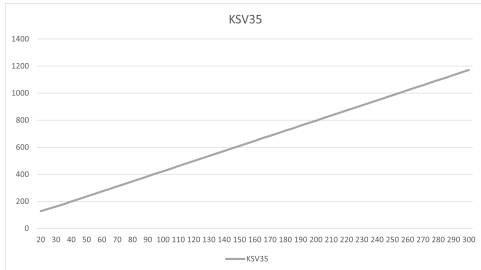
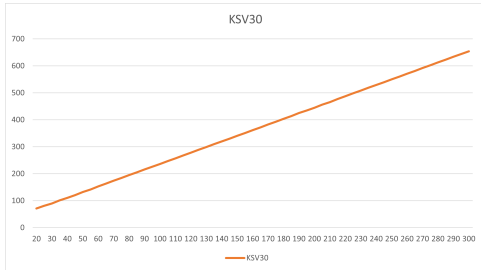
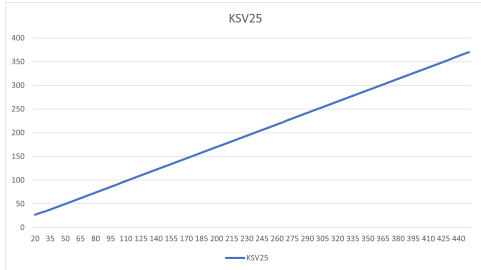
Model	Inlet Size	Orifice Area	NB Rated Slope	Set Pressure Range (psig)	Dimensions (inches)		Shipping Weight
					Height (A)	Hex (B)	
KSV25CR	1/4" NPT	0.049 in ²	0.726 SCFM/PSIA	20 to 450	2.01"	0.687"	1.8 oz.
KSV30CR	1/2" NPT	0.145 in ²	1.90 SCFM/PSIA	20 to 300	2.71"	0.875"	0.27 lbs
KSV35CR	1/2" NPT	0.233 in ²	3.40 SCFM/PSIA	20 to 300	3.66"	1.060"	0.61 lbs
	3/4" NPT				3.66"	1.060"	0.61 lbs
KSV40CR	1" NPT	0.478 in ²	7.07 SCFM/PSIA	20 to 300	4.66"	1.625"	1.5 lbs
	1 1/4" NPT				4.66"	1.625"	1.5 lbs

MATERIALS

NO.	PART NAME	MATERIALS
1	Body	SST UNS S30300
2	Disc	FKM (Standard)
3	Adjusting Screw	SST UNS S30300
4	Stem	SST UNS S30300
5	Compression Spring	SST 302 or 17-7
6	Pull Ring	SST 304



FLOW CAPACITY



SET PRESSURE (psi)	STAMPED CAPACITY (SCFM)			
	KSV25	KSV30	KSV35	KSV40
20	27	71	128	266
25	31	81	145	301
30	34	90	162	337
35	38	101	180	376
40	42	111	199	415
45	46	121	218	453
50	50	132	236	492
55	54	142	255	531
60	58	153	274	570
65	62	163	293	609
70	66	174	311	648
75	70	184	330	687
80	74	195	349	726
85	78	205	367	764
90	82	216	386	803
95	86	226	405	842
100	90	236	423	881
105	94	247	442	920
110	98	257	461	959
115	102	268	480	998
120	106	278	498	1037
125	110	289	517	1076
130	114	299	536	1114
135	118	310	554	1153
140	122	320	573	1192
145	126	330	592	1231
150	130	341	610	1270
155	134	351	629	1309
160	138	362	648	1348
165	142	372	667	1387
170	146	383	685	1426
175	150	393	704	1464
180	154	404	723	1503
185	158	414	741	1542
190	162	425	760	1581
195	166	435	779	1620
200	170	445	797	1659
205	174	456	816	1698
210	178	466	835	1737
215	182	477	854	1775

SET PRESSURE (psi)	SCFM CHART CONTINUED			
	KSV25	KSV30	KSV35	KSV40
220	186	487	872	1814
225	190	498	891	1853
230	194	508	910	1892
235	198	519	928	1931
240	202	529	947	1970
245	206	539	966	2009
250	210	550	984	2048
255	214	560	1003	2087
260	218	571	1022	2125
265	222	581	1041	2164
270	226	592	1059	2203
275	230	602	1078	2242
280	234	613	1097	2281
285	238	623	1115	2320
290	242	634	1134	2359
295	246	644	1153	2398
300	250	654	1171	2437
305	254			
310	258			
315	262			
320	266			
325	270			
330	274			
335	278			
340	282			
345	286			
350	290			
355	294			
360	298			
365	302			
370	306			
375	310			
380	314			
385	318			
390	322			
395	326			
400	330			
405	334			
410	338			
415	342			
420	346			
425	350			
430	354			
435	358			
440	362			
445	366			
450	370			

ORDERING INFORMATION

How to configure the correct model number:

Use chart below with part number codes and descriptions.

CODE DESCRIPTION

KSV 30	CR	F	PZ	4		200
MODEL	MATERIAL	DISC	OPTIONS	SIZE	CONNECTION	SET PSI
KSV25	CR Stainless Steel	F FKM	(Blank) None	2 1/4"	(Blank) NPT	20 to 300
KSV30		S Silicone*	P Steam*	4 1/2"	B BSPT*	**KSV25
KSV35		E EPDM*	X O ₂ Cleaning	5 3/4"	G BSPP*	Up to 450
KSV40		N NBR*	Z Thread Sealant	6 1"		
				7 1 1/4"		

NOTE: Multiples Allowed.
Lead time subject to
availability.

*CONTACT KINGSTON WITH REQUEST