



INDEPENDENT COMPONENTS CORP.

528 Hempstead Turnpike, West Hempstead, NY 11552 • Phone 516-481-5100 FAX 516-481-5550
www.iccparts.com sales@iccparts.com • Toll Free: Phone 877-ICC-ICC3 FAX 800-814-8883

Safety & Check Valves

I.C.C. PART NO.

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Kingston A.S.M.E. High Capacity Safety Valve The Kingston 710 side outlet safety valve. High flow capacities are achieved through full-lift design. Lever for manual testing. Fully guided stem provides superior re-seating accuracy. Soft seat design, stock valves use silicone seats, other materials also available. Inlet from 1/2" to 1", outlet 3/4 or 1" Available pressure setting up to 400 psig. Settings and CFMs follow:

SV-710-1/2 x 3/4x PSIG	1/2" MPT inlet, 3/4" outlet
SV-710-3/4 x 3/4 x PSIG	3/4" MPT inlet, 3/4" outlet
SV-710-1/2 x 1 x PSIG	1/2" MPT inlet, 1" outlet
SV-710-3/4 x 1 x PSIG	3/4" MPT inlet, 1" outlet
SV-710-1 x 1 x PSIG	1" MPT inlet, 1" outlet

PSIG	CFM	PSIG	CFM
125	334	175	455
135	358	200	516
150	395	300	758



Kingston A.S.M.E. High Capacity Safety Valve The Kingston 118CSS high capacity safety valve is precision machined brass valve with a hard seat. It features a stainless steel ball and a pull ring for manual testing. This valve is approved in Massachusetts and Washington DC and is stamped with UV & NB symbols. Registered in all Canadian provinces. 400°F max temperature. Available in 1/4", 3/8", 1/2", 3/4" and 1" inlet sizes. Settings and CFMs follow:

SV-118-1/4 x PSIG	1/4" MPT inlet					
PSIG	CFM	PSIG	CFM	PSIG	CFM	
50	75	125	163	175	222	
65	92	135	175	200	251	
75	104	150	192	300	369	
100	133	165	210			

SV-118-1/2 x PSIG	1/2" MPT inlet					
PSIG	CFM	PSIG	CFM	PSIG	CFM	
65	133	125	234	175	319	
90	175	135	251	200	361	
100	192	150	277	300	531	



Conrader Series SRV A.S.M.E. Safety Valves with Soft Seat and Pull Ring High capacity design. All brass construction with zinc-plated music wire spring. Resilient silicone rubber pad insures valve is bubble tight to within 10% of set pressure. Stamped with "UV" and "NB" symbols. Available set pressures range 25 psi to 250 psi. Set pressure tolerance 3% of set pressure. 250°F max temperature. 1/8" valve is 1.91" tall, the 1/4" valve is 2.10" tall. Settings and CFMs follow:

SV-S-1/8 x PSIG	1/8" MPT inlet, (25 psig to 250psig)					
PSIG	CFM	PSIG	CFM			
75	40	150	73			
100	51	175	84			
125	62					



SV-S-1/2 x PSIG	1/4" MPT inlet, (25 psig to 250 psig)					
PSIG	CFM	PSIG	CFM	PSIG	CFM	
65	134	125	236	175	323	
90	177	150	279	200	367	
100	194					

SV-S-1/4 x PSIG	1/4" MPT inlet, (25 psig to 250 psig)					
PSIG	CFM	PSIG	CFM	PSIG	CFM	
50	51	90	84	165	145	
60	59	110	100	175	153	
100	92	125	112	200	175	
70	68	135	121	250	214	
75	72	150	133			

SV-S-3/4 x PSIG	3/4" MPT inlet					
PSIG	CFM	PSIG	CFM	PSIG	CFM	
110	455	135	547	175	695	
125	510	150	602	200	786	

SV-S-1 x PSIG	1" MPT inlet					
PSIG	CFM	PSIG	CFM	PSIG	CFM	
110	969	135	1165	175	1478	
125	1087	150	1283	200	1674	

Conrader Series SRH A.S.M.E. Hard Seat Safety Valves with Stainless Steel Ball and Pull Ring High capacity design. Brass construction with stainless steel ball on a precision machined brass seat. Equipped with a pull ring for manual testing. Pressure settings from 25 to 250 PSIG. Settings and CFMs follow:

SV-H-1/4 x PSIG	1/4" MPT inlet					
PSIG	CFM	PSIG	CFM	PSIG	CFM	
50	51	90	83	150	130	
60	59	100	91	165	142	
65	63	110	99	175	151	
70	67	125	110	200	170	
75	71	135	119	250	210	

SV-H-1/2 x PSIG	1/2" MPT inlet					
PSIG	CFM	PSIG	CFM	PSIG	CFM	
65	145	125	256	165	330	
90	191	135	274	175	348	
100	210	150	302	200	394	

SV-H-3/8 x PSIG	3/8" MPT inlet					
PSIG	CFM	PSIG	CFM			
75	999	100	999			
150	999	175	999			
200	999					



SV-H-3/4 x PSIG	3/4" MPT inlet					
PSIG	CFM	PSIG	CFM	PSIG	CFM	
110	456	135	548	175	694	
125	511	150	603	200	786	

SV-H-1 x PSIG	1" MPT inlet					
PSIG	CFM	PSIG	CFM	PSIG	CFM	
110	456	135	548	175	649	
125	511	150	603	200	786	

Other Pressures are Available Contact us for more information



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Safety Valves & Check Valves

In-tank Check Valve. Brass construction, two-piece design with glass filled Teflon disc and a Stainless Steel spring. Our check valves have a triple balanced flow design for minimum restrictions. All have 1/8" NPT unloader port for your optional use. Maximum working pressure 500 PSIG, maximum operating temperature 450°F.

VCVP



Inlet Male NPT
Outlet Female NPT
Port: 1/8" NPT

VCVP IF



Inlet: Inverted Flare Fitting
Outlet Female NPT
Port: 1/8" NPT & 1/8" Inverted Flare Port

VCVP C



Inlet: Compression Tube Fitting
Outlet Female NPT
Port: 1/8" NPT

VCVP F



Inlet: JIC Flare Fitting
Outlet Female NPT
Port: 1/8" NPT

<u>Inlet</u>	<u>Outlet</u>	<u>ICC PART NO.</u>
In-tank Check with Male NPT Fitting		
1/4	1/2	VCVP-1/4 X 1/2
3/8	1/2	VCVP-3/8 X 1/2
1/2	1/2	VCVP-1/2 X 1/2
1/2	3/4	VCVP-1/2 X 3/4
1/2	1	VCVP-1/2 X 1
3/4	3/4	VCVP-3/4 X 3/4
3/4	1	VCVP-3/4 X 1
3/4	1-1/2	VCVP-3/4 X 1-1/2
1	1	VCVP-1 X 1
1	1-1/4	VCVP-1X1-1/4
1-1/4	1-1/4	VCVP-1-1/4
1-1/2	1/1/2	VCVP-1-1/2

<u>Inlet</u>	<u>Outlet</u>	<u>ICC PART NO.</u>
In-tank Check with Inverted Flare Fitting		
1/2	1/2	VCVP-IF-1/2 X 1/2
3/4	3/4	VCVP-IF-3/4 X 3/4
5/8	5/8	VCVP-IF-5/8 X 5/8
5/8	3/4	VCVP-IF-5/8 X 3/4

<u>Inlet</u>	<u>Outlet</u>	<u>ICC PART NO.</u>
In-tank Check with Compression Tube Inlet Fitting		
3/8	3/8	VCVP-C3/8 X 3/8
5/16	1/2	VCVP-C5/16 X 1/2
3/8	1/2	VCVP-C3/8 X 1/2
1/2	1/2	VCVP-C1/2 X 1/2
1/2	3/4	VCVP-C1/2 X 3/4
3/4	1/2	VCVP-C3/4 X 1/2
3/4	3/4	VCVP-C3/4 X 3/4
3/4	1	VCVP-C3/4 X 1

<u>Inlet</u>	<u>Outlet</u>	<u>ICC PART NO.</u>
In-tank Check with JIC Flare Inlet Fitting		
1/2	1/2	VCVP-F1/2 X 1/2
5/8	1/2	VCVP-F5/8 X 1/2
5/8	3/4	VCVP-F5/8 X 3/4
3/4	3/4	VCVP-F3/4 X 3/4

Most Check valves and Pilot valves are available with British Standard Pipe Threads – Please Call

Inline Check Valve Brass construction, two-piece design with glass filled Teflon disc and a stainless steel spring. Our check valves have a triple balanced flow design for minimum restrictions. The ICV series is Female NPT Inlet and Female NPT Outlet. The ICVP adds a 1/8" NPT port. The ICCV is a control line check valve that uses an elastomer poppet for low flow applications; this has a Female NPT Inlet and Male NPT Outlet. Maximum working pressure 500 PSIG, maximum operating temperature 450°F.

ICV



ICVP



ICCV



<u>Inlet</u>	<u>Outlet</u>	<u>ICC PART NO.</u>
1/4	1/4	ICV-1/4 X 1/4
3/8	3/8	ICV-3/8 X 3/8
1/2	1/2	ICV-1/2 X 1/2
3/4	3/4	ICV-3/4 X 3/4
1	1	ICV-1 X 1
1-1/2	1-1/2	ICV-1-1/2 X 1-1/2

<u>Inlet</u>	<u>Outlet</u>	<u>ICC PART NO.</u>
1/4	1/4	ICVP-1/4 X 1/4
3/8	3/8	ICVP-3/8 X 3/8
1/2	1/2	ICVP-1/2 X 1/2
3/4	3/4	ICVP-3/4 X 3/4
1	1	ICVP-1 X 1
1-1/2	1-1/2	ICVP-1-1/2 X 1-1/2
1/4	1/4	ICCV-1/4

**Quantity Discounts on Same Model Safety Valves & Same Model Check Valves
 5% on 5 to 9 valves, 10% on 10 or more.**

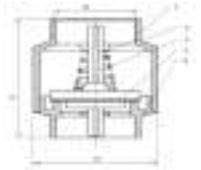


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Check Valves & Accessory Valves

Inline Spring Check Valve. Check valve with both ends threaded Female NPT. Spring loaded with NBR seat. Working Pressure 200 psig. Working temperature 25°F to 140°F



FPT	MPT	ICC PART NO.
1/2	1/2	ISCV-1/2 X 1/2
3/4	3/4	ISCV-3/4 X 3/4
1	1	ISCV-1 X 1

Horizontal Inline Check Valve. Globe Style Horizontal Cast Brass Check Valves with Glass filled PTFE discs and stainless steel springs. Low cracking pressures of 2-3 psi. Each valve has access cap for service and 1/8" NPT unloader port with plug for connection to pressure switch unloader. 200 psi working pressure, 250-psi disc pressure. Rated up to 450°F



FPT	FPT	ICC PART NO.	FPT	FPT	ICC PART NO.
1/8	1/8	HIVCP-1/8	1	1	HIVCP-1
1/4	1/4	HIVCP-1/4	1-1/4	1-1/4	HIVCP-1-1/4
3/8	3/8	HIVCP-3/8	1-1/2	1-1/2	HIVCP-1-1/2
1/2	1/2	HIVCP-1/2	2	2	HIVCP-2
3/4	3/4	HIVCP-3/4			

Kingston 205 Horizontal Anti-Hammering Check Valve with Unloader Port.

Spring loaded Dash Pot check valves are designed to reduce the hammering effect caused by exhaust pulsation found in reciprocating air compressors. Has a 1/8" NPT Unloader port with plug. Brass construction, with a 25% glass filled Teflon disc and Stainless Steel spring. Maximum working pressure 400 PSIG, Cracking Pressure 1-3 psi, maximum operating temperature 350°F. Lubricated compressed air applications only. Repair kits are available.



FPT	MPT	Figure	ICC PART NO.	FPT	MPT	Figure	ICC PART NO.
3/8	3/8	205-3	HCVP-205-3/8	1-1/4	1-1/4	205-7	HCVP-205-1-1/4
1/2	1/2	205-4	HCVP-205-1/2	1-1/2	1-1/2	205-8	HCVP-205-1-1/2
3/4	3/4	205-5	HCVP-205-3/4	2	2	205A-9	HCVP-205-2
1	1	205-6	HCVP-205-1				

Kingston KCV234 In tank Check Valve with Unloader Port. – One Piece body with high flow rates and top quality at an economical price. Maximum Temperature is 400 °F, Maximum Operating Pressure is 400 PSIG. Precision machined Teflon seat. Standard 1/8" NPS side port

FPT	MPT	Figure	ICC PART NO.
3/4	3/4	234-5-5	VCVP-234-3/4X3/4
3/4	1	234-5-6	VCVP-234-3/4X1
1	1	234-6-6	VCVP-234-1X1



Air Activated Tank Drain Valve. Automatically removes the water and condensates that collect in the tank. It is designed for compressors having bleeder or pressure type unloaders.

Complete drainage is assured by double action of the valve which opens when the compressor starts and stops. Designed for compressors up to 5HP maximum operating pressure 300 psig. Call or fax for installation instructions.

Inlet	Outlet	Pilot	ICC PART NO.
1/4-18 MPT	1/4-18 MPT	1/8-27 FPT	ADV



Quantity Discounts on Same Model Check Valves
5% on 5 to 9 valves, 10% on 10 or more.



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Check Valves & Accessory Valves



Air Operated Discharge Unloader Valves. The discharge unloader valve is used in constant speed applications where intake unloaders are not present. It is controlled by a pilot valve that signals the normally closed valve to open at the unloaded pressure. When open, the discharge valve vents discharge line air to atmosphere. When pressure drops to load pressure, the pilot valve closes the discharge valve and the compressor returns to normal operation. Brass Body rated at 250 psig, 550° F. Contains stainless steel spring and Teflon piston

Inlet	Outlet	Pilot	ICC PART NO.
1/2	1/2	1/4 F	DUV-1/2

Unloader Pilot Valve. Pilot Valves are used where the compressor is to maintain a constant pressure range while running continuously. Pilot valves operate in a set pressure range. The Pilot Valve operates within a range, at the unload setting, the pilot valve opens to activate another device; at the load setting, the pilot valve closes.

Inlet 1/4" NPT Male, Outlet 1/8" NPT Female

Setting Range	ICC PART NO.
80 100	PUV-80-100
150 170	PUV-150-170



With Manual Unloading

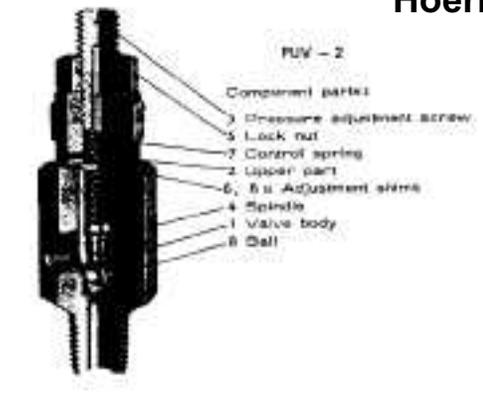
Setting Range	ICC PART NO.
80 100	PUV-U-80-100
95 125	PUV-U-95-125
100 110	PUV-U-100-110
100 125	PUV-U-100-125
125 150	PUV-U-125-150
145 175	PUV-U-145-175
150 170	PUV-U-150-170
200 250	PUV-U-200-250

Brass 1/8 NPT Plug. Used to close the Side Port in the above Check Valves with Bleeder Port.

NPT	ICC PART NO.
1/8	PLUG-1/8-BR

Use of our control and safety products is the sole responsibility of the user.

Hoerbiger Unloader Pilot Valves



I.C.C. PART NO.

- PUV-2-85-100
- PUV-2-95-105
- PUV-2-100-110

Quincy Style Pilot and Unloader Valves available – See Quincy section