

CASH VALVE TYPE C-776 SAFETY VALVES

SELECTION GUIDE

Example:	C776	B	D	CD	K	01	-	K	M	1
Model										
C776	C776 valve									
Connection/body and nozzle material										
B	Male x female NPTF bronze									
S	Male x Female NPT SST									
Orifice area										
D	[0.169 in ²]	Valve (inlet/outlet) size								
D	[0.169 in ²]	CD	½ x ¾							
D	[0.169 in ²]	CE	½ x 1							
E	[0.340 in ²]	DE	¾ x 1							
F	[0.486 in ²]	AP	1 x 1¼							
F	[0.486 in ²]	DF	¾ x 1¼							
F	[0.486 in ²]	EF	1 x 1¼							
G	[0.645 in ²]	FG	1¼ x 1½							
H	[1.024 in ²]	GH	1½ x 2							
J	[1.667 in ²]	HJ	2 x 2½							
Seat material										
K	Kel-F®									
Variation										
01	Threaded cap									
Design revision										
(-)	Indicates original design									
Service										
K	Air/gas ASME Section VIII									
N	Non-code air/gas									
Spring material										
M	302 SST or Inconel® X750									
Spring range	Refer to table below									

STANDARD SPRING RANGES (PSIG)

Orifice area	Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
D - [0.169 in ²]	CD - ½" x ¾"	15-25	26-35	36-46	47-61	62-80	81-105	106-135	136-185	186-250	251-315	316-435	436-500	501-550	551-600	----
	CE - ½" x 1"															
	DE - ¾" x 1"															
E - [0.340 in ²]	AP - 1" x 1¼"	21-36	37-56	57-70	71-85	86-107	108-133	134-165	166-220	221-311	312-360	361-400	----	----	----	----
	DF - ¾" x 1¼"															
F - [0.486 in ²]	EF - 1" x 1¼"															
	DF - ¾" x 1¼"	15-25	26-37	38-46	47-58	59-73	74-92	93-110	111-120	121-180	181-250	251-325	326-359	360-390	391-435	436-500
G - [0.645 in ²]	FG - 1¼" x 1½"	15-25	26-38	39-46	47-57	58-70	71-90	91-115	116-130	131-175	176-200	201-300	301-400	401-450	451-500	----
H - [1.024 in ²]	GH - 1½" x 2"	15-28	29-47	48-69	70-91	92-113	114-164	165-232	234-274	275-315	316-348	349-424	425-500	----	----	----
J - [1.667 in ²]	HJ - 2" x 2½"	15-25	26-40	41-57	58-74	75-98	99-130	131-150	151-205	206-258	259-300	301-400	401-500	----	----	----

NOTES

Please specify the required set point on your order.

VCTDS-00520-EN © 2015, 2021 Emerson Electric Co. All rights reserved 09/21. Cash Valve is a mark owned by one of the companies in the Emerson Automation Solutions business unit of Emerson Electric Co. The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their prospective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

Emerson Electric Co. does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any Emerson Electric Co. product remains solely with the purchaser.