



A41C Type Pound-grade low lift spring loaded safety valve

Main property and specification

Normal Pressure	PN	150	300	600	900	1500
Body strength	Ps (MPa)	3.0	7.5	15	22.5	38
Set pressure	Pk (MPa)	0.1~2	1.6~5	3.2~10	8~15	10~25
Seal pressure	Pm	90%Pk				
Reseating pressure	Ph	≥90%Pk				
Relieving pressure	Pp	≤1.1Pk				
Lift	H (mm)	≥1/20 do				
Appropriate temperature	C	≤300℃				
	P、R	≤200℃				
Appropriate medium	Air, Oil, Steam, Water, Corrosive medium					

Code of throat diameter

Code	Diameter	Code	Diameter
D	10	L	50
E	13	M	55
F	16	N	60
G	20.5	P	72
H	26	Q	96
J	33	R	115
K	40	T	148

Main Dimension

A41C150, A41C150P, A41C150R																	
Normal Diameter DN (in)	Dimension (mm)																
	do	D	D1	D2	b	t	z-φd	DN'	D'	D1'	D2'	t'	b'	z-φd'	L	L1	H
1/2"×1/2"	D	89	60.5	35	12	6	4-15	15	89	60.5	35	1.6	12	4-15	90	90	260
3/4"×1"	D	98	70	43	14	6	4-15	25	108	79.5	51	1.6	15	4-15	96	92	280
1"×1"	D	108	79.5	51	15	9	4-15	25	108	79.5	51	1.6	15	4-15	100	100	290
1"×2"	E	108	79.5	51	15	9	4-15	50	152	120.5	92	1.6	18	4-19	114	105	290
1 1/2"×1 1/2"	G	127	98.5	73	18	10	4-15	40	127	98.5	73	1.6	18	4-15	110	115	330
1 1/2"×2"	G	127	98.5	73	18	10	4-15	50	152	120.5	98	1.6	18	4-19	110	115	330
2"×3"	J	152	120.5	92	18	10	4-19	80	190	152.5	127	1.6	22	4-19	124	130	350



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A41C300, A41C300P, A41C300R																	
Normal Diameter DN (in)	Dimension (mm)																
	do	D	D1	D2	b	t	z- ϕ d	DN'	D'	D1'	D2'	t'	b'	z- ϕ d'	L	L1	H
1/2"×1/2"	D	95	66.5	35	15	6	4-15	15	89	60.5	35	1.6	12	4-15	90	90	260
3/4"×1"	D	117	85.5	43	16	10	4-19	25	108	79.5	51	1.6	15	4-15	96	92	280
1"×1"	D	124	90	51	18	6	4-19	25	108	79.5	51	1.6	15	4-15	100	100	290
1"×2"	E	124	90	51	18	6	4-19	50	152	120.5	92	1.6	18	4-19	114	105	290
1 1/2"×1 1/2"	G	156	114.5	73	20	9	4-22	40	127	98.5	73	1.6	18	4-15	110	115	330
1 1/2"×2"	G	156	114.5	73	20	9	4-22	50	152	120.5	92	1.6	18	4-19	110	115	330
2"×3 "	J	165	127	92	22	8	8-19	80	190	152.5	127	1.6	22	4-19	124	130	350

Remark: 150Lb for outlet flange

A41C600, A41C600P, A41C600R																	
Normal Diameter DN (in)	Dimension (mm)																
	do	D	D1	D2	b	t	z- ϕ d	DN'	D'	D1'	D2'	b'	t'	z- ϕ d'	L	L1	H
3/4"×1"	D	117	82.5	43	16	6	4-15	25	108	79.5	51	15	1.6	4-15	105	110	280
1"×2"	D	124	90	51	20	9	4-19	50	152	120.5	92	18	1.6	4-19	115	105	290
1 1/2"×1 1/2"	F	156	114.5	73	22	10	4-22	40	127	98.5	73	18	1.6	4-15	147	165	330
1 1/2"×2"	F	156	114.5	73	22	10	4-22	50	152	120.5	92	18	1.6	4-19	147	165	350

Remark: 150Lb for outlet flange

A41C600, A41C600P, A41C600R																	
Normal Diameter DN (in)	Dimension (mm)																
	do	D	D1	D2	b	t	z- ϕ d	DN'	D'	D1'	D2'	b'	t'	z- ϕ d'	L	L1	H
1"×1 1/2"	D	150	101.6	51	28	15	4-25	40	156	114.5	73	20	1.6	4-22	125	125	320
1 1/2"×1 1/2"	F	178	124	73	32	14	4-28	40	156	114.5	73	20	1.6	4-22	150	194	350
1 1/2"×2"	F	178	124	73	32	15	4-28	50	165	127	92	22	1.6	8-19	140	105	350

Remark: 300Lb for outlet flange