

## TFA41C Low Lift Spring Safety Valve

### Description:

This kind of valve is applicable to petroleum, gas, air, water, and other media. As the voltage protection device, the valve is mainly used in oil, natural gas, chemical industry, electric power, city gas, and other fields. The materials of body are cast steel and stainless steel. TFA41C low lift spring safety valve possesses the traits of high action precision, well repeatability, convenient operation and maintenance. When you order such valve, please indicate the type, pressure, diameter, materials, open pressure, medium, and temperature.

### Main Property and Specification of TFA41C Low Lift Spring Safety Valve:

Normal pressure	PN	150	300	600	900	1,500
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(MPa)	90% Pk				
Resection pressure	Ph(MPa)	90% Pk				
Relieving pressure	Pp(MPa)	1.1 Pk				
Lift	H(mm)	1/20 d				
Appropriate temperature	C	300				
	P R	200				
Appropriate medium	Air, oil, steam, water, corrosive medium					

### Code of Throat Diameter of TFA41C Low Lift Spring Safety Valve:

Code	Diameter	Code	Diameter
D	10	L	20
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 of TFA41C Low Lift Spring Safety Valve:

TFA41C150 TFA41C150P TFA41C150R																	
Nominal Diameter DN(in)	Dimension (mm)																
	do	D	D1	D2	b	t	Z- d	DN'	D'	D1'	D2'	t'	b'	Z- d	L	L1	H
1/2" 2 2	D	89	60.5	35	12	5	4-15	15	89	60.5	35	1.6	12	4-15	90	90	260
3/4" 4	D	98	70	43	14	5	4-15	25	108	79.5	51	1.6	15	4-15	96	92	280
1" 1"	D	108	79.5	51	15	5	4-15	25	108	79.5	51	1.6	15	4-15	100	100	290
1 1/2" 2"	E	108	79.5	51	15	5	4-15	50	152	120.5	92	1.6	18	4-19	115	105	290

1 1/2" 1 1/2"	G	127	98.5	73	18	5	4-15	40	127	98.5	73	1.6	18	4-15	121	124	330
1 1/2" 2"	G	127	98.5	73	18	5	4-15	50	152	120.5	92	1.6	18	4-19	121	124	330
2" 3"	J	152	120.5	92	18	5	4-19	80	190	152.5	127	1.6	22	4-19	124	136	350
Remark: outlet flange is 150Lb.																	
TFA41C300 TFA41C300P TFA41C300R																	
Nominal Diameter DN(in)	Dimension (mm)																
	do	D	D1	D2	b	t	Z- d	DN'	D'	D1'	D2'	t'	b'	Z- d	L	L1	H
1" 1 1/2"	D	95	66.5	35	15	5	4-15	15	89	60.5	35	1.6	12	4-15	90	90	260
3/4" 1"	D	117	82.5	43	16	5	4-19	25	108	79.5	51	1.6	15	4-15	100	100	280
1" 1"	D	124	89	51	18	5	4-19	25	108	79.5	51	1.6	15	4-15	100	100	290
1" 2"	E	124	89	51	18	5	4-19	50	152	120.5	92	1.6	18	4-19	115	105	290
1 1/2" 1 1/2"	G	156	114.5	73	20	5	4-22	40	127	98.5	73	1.6	18	4-15	121	124	330
1 1/2" 2"	G	156	114.5	73	20	5	4-22	50	152	120.5	92	1.6	18	4-19	121	124	330
2" 3"	J	165	127	92	23	5	8-19	80	190	152.5	127	1.6	22	4-19	130	136	350
Remark: outlet flange is 150Lb.																	
TFA41C600 TFA41C600P TFA41C600R																	
Nominal Diameter DN(in)	Dimension (mm)																
	do	D	D1	D2	b	t	Z- d	DN'	D'	D1'	D2'	b'	t'	Z- d	L	L1	H
3/4" 1"	D	118	82.5	43	16	7	4-15	25	108	79.5	51	15	1.6	4-15	105	110	280
1" 2"	D	124	89	51	20	7	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	7	4-22	40	127	98.5	73	18	1.6	4-15	147	162	330
1 1/2" 2"	F	156	114.5	73	22	7	4-22	50	152	120.5	92	18	1.6	4-19	147	162	330
Remark: outlet flange is 300Lb.																	
TFA41C900 TFA41C900P TFA41C900R																	
Nominal Diameter DN(in)	Dimension (mm)																
	do	D	D1	D2	b	t	Z- d	DN'	D'	D1'	D2'	b'	t'	Z- d	L	L1	H
1" 1 1/2"	D	150	101.6	51	28	7	4-25	40	156	114.5	73	20	1.6	4-22	125	125	320
1 1/2" 1 1/2"	F	178	123.8	73	32	7	4-29	40	156	114.5	73	20	1.6	4-22	150	194	350
1 1/2" 2"	F	178	123.8	73	32	7	4-29	50	165	127	92	22	1.6	8-19	140	105	350

