

Design acc. : API 602 .
Flanged ends : ASME B16.5(RF).
Face to face : ASME B16.10 .
Test and inspection : API 598.
Body : A105 / F316

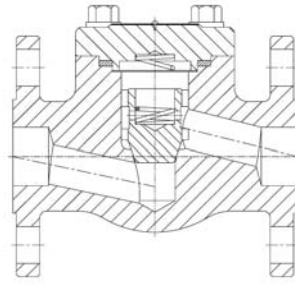


FIG : 431

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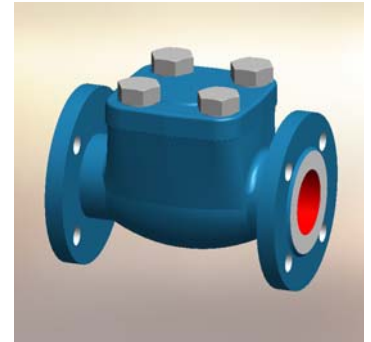


FIG : 431

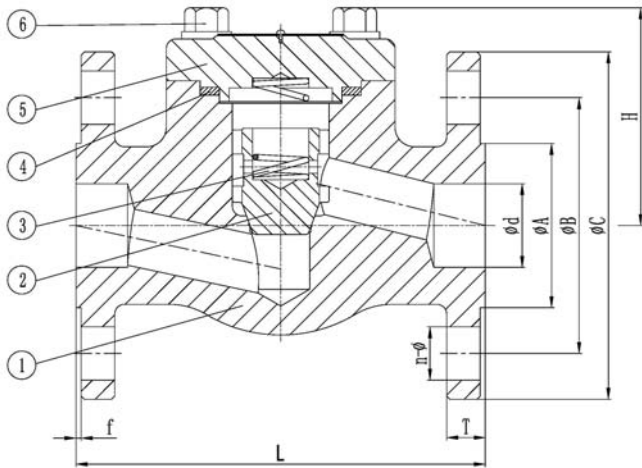


FIG.	Class	Material	Range
141.431	150	A105	1/2"-2"
142.431	300	A105	1/2"-2"
231.431	150	F316	1/2"-2"
232.431	300	F316	1/2"-2"

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Material list

NO.	Part	Material	
		FIG.: 142.431 / 143.431	FIG.: 232.431 / 233.431
1	Body	A105+STL	F316
2	Disc	A276-420	F316+STL
3	Spring	A276-304	A276-316
4	Gasket	304+Graphite	316+Graphite
5	Bonnet	A105	F316
6	Bolt	A193-B7	A193-B8M

Dimension List

Class	Size	L	H	d	A	B	C	T	f	N-Φ
150LB	1/2"	108	54.5	15	35	60.5	89	12	1.6	4-15
	3/4"	117	54.5	20	43	70	98	12	1.6	4-15
	1"	127	72	25	51	79.5	108	12	1.6	4-15
	1 1/4"	140	81	32	63.5	89	117	13	1.6	4-15
	1 1/2"	165	94	40	73	98.5	127	15	1.6	4-15
	2"	178	112	50	92	120.5	152	16	1.6	4-19
300LB	1/2"	140	54.5	15	35	66.7	95	12.7	2	4-16
	3/4"	152	54.5	20	43	82.6	115	14.3	2	4-19
	1"	165	72	25	51	88.9	125	15.9	2	4-19
	1 1/4"	178	81	32	63.5	98.4	135	17.5	2	4-19
	1 1/2"	190	94	40	73	114.3	155	19.1	2	4-22
	2"	216	112	50	92	127	165	20.7	2	8-19