Description

1. Valve body and bonnet; castings are precision-machined; the unique lies in Disc shaft is not through valve body.
2. Connection of valve and bonner is accurately machined, fully enclosd gasket;valve diac is securely fixed on disc hanger by a locking nut and cotter pin.
3. Freely roating valve disc avoid positioning abrasion. Valve stent made of strong, with high quality bearing the valve bracket hinge pin support.
4. All parts can be accessed from the top, easy in maintenance.

Selection of possible applications

Hydrocracking, Petroleum Production and Refining, Power Generation, Primary Coolant, Reactor Feed, Safety Systems, Shutdown Cooling, Condensate, Utility, Condensate Cooling Water, Containment Spray, Core Spray, Geothermal, Heat Recovery Steam Generators, High Pressure Safety Injection, High Temperature Service, Hydrocarbon Processing

Selection of possible flow media

Steam,Water,Oil,etc.

Lift check valve

## LCV lift check valve

Dimensions and Weights(mm/kg)

Type	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
L	(mm)	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100	1350
H	(mm)	70	70	80	80	85	95	110	130	155	165	215	285	325	365	420	430	530
Kvs	(m³/h)	5,7	7,8	11,8	17,9	27,5	48,0	77,6	109	168	251	389	664	1017	1446	2042	2725	4167
Weights	(kg)	3,8	4,9	5,9	7,1	10,4	12,3	22,7	28,5	40	64	90	170	240	374	508	786	1044

Materials

1	Body	Carbon/Stainless steel	ASTM A216 WCB/A351 CF8M
2	Seat ring	Stainless steel	AISI 316
3	Cover	Carbon/Stainless steel	ASTM A216 WCB/316
4	Plug	Stainless steel	AISI 316
5	Spring	Stainless steel	ASTM A510 316
6	Bolt	Carbon/Stainless steel	ASTM A216 WCB/316
7	Nut	Carbon/Stainless steel	ASTM A216 WCB/316

Size and connections

Flange DIN2543-2545/EN1092-1,Butt weld EN 1011-2-2000/2001
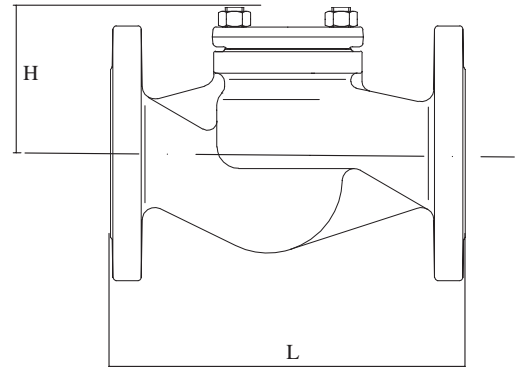
Limits (ISO 6552)

Body design conditions	ANSI class 300/PN40
Maximum allowable pressure	580 psi g/40bar g-122°F/50 °C
Maximum allowable temperature	752°F/400°C
Maximum operating pressure for saturated steam service	478 psi/33 bar-572°F/300°C

Temperture and Pressure limits