STEAM & CONDENSATE | NV-ST-142239

Lift Check Valve - Flanged



Catalogue illustration; selected build may vary.

SIZE RANGE
DN15-DN300

NOMINAL CLASS
PN16 / PN25 / PN40

BODY OPTIONS
Carbon Steel / SS304 / SS316

CONNECTION
Flanged

TEMPERATURE
Confirm for selected body, trim and pressure

Flanged lift check valve for automatic non-return service in process or steam pipework. Select body, disc and seat materials for the medium and pressure-temperature conditions, and confirm installation orientation and pressure loss.

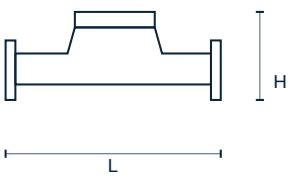
Product selection

Parameter	Listed options
Disc Material	SS316 + Stellite / SS420
Seat Material	SS304 / Stellite
Reference Model	H41 DIN lift check

Select options together. The named dimensional reference and approved order drawing govern the supplied configuration.

> DIMENSIONAL REFERENCE: DIN H41 lift-check family, PN16/25/40. Source dimensions, Kv and mass cover DN15-DN300. The selectable size range is limited to these documented rows.

Dimension key - schematic, not to scale



Use the named model table and approved order drawing for dimensions.

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Reference test pressures

Class	Nominal MPa	Shell test MPa	Seat test MPa
PN16	1.6	2.4	1.8
PN25	2.5	3.8	2.8
PN40	4	6	4.4

Values retain the rounding used in the published check-valve table.

DIN lift-check dimensions, Kv and mass

DN	L mm	H mm	Kv	PN16 kg	PN25 kg	PN40 kg
15	130	65	5.7	2.4	3.5	3.8
20	150	70	7.8	3	4.4	4.9
25	160	80	11.8	3.8	5	5.9
32	180	85	17.9	5.7	6	7.1
40	200	90	27.5	7.4	8	10.4
50	230	95	48	10.3	11	12.3
65	290	110	77.6	15.2	16	22.7
80	310	130	109	20.4	21	28.5
100	350	155	168	31	32	40
125	400	165	251	49	51	64
150	480	215	389	69	70	90
200	600	280	664	132	136	170
250	730	305	1017	198	218	240
300	850	330	1446	278	330	370

Kv is reproduced as the source flow-coefficient value; no steam-flow capacity is inferred. Selectable sizes are limited to the published DN15-DN300 range.

Configuration and service requirements

- Dimensions apply to the named reference construction. Confirm the selected material, trim, connection standard and approved order drawing before installation. H values marked approximate are reproduced as approximate; no open/closed-stem clearance is inferred.

- Specify design and operating pressure/temperature, medium, flange standard, required actuation and certificates.