



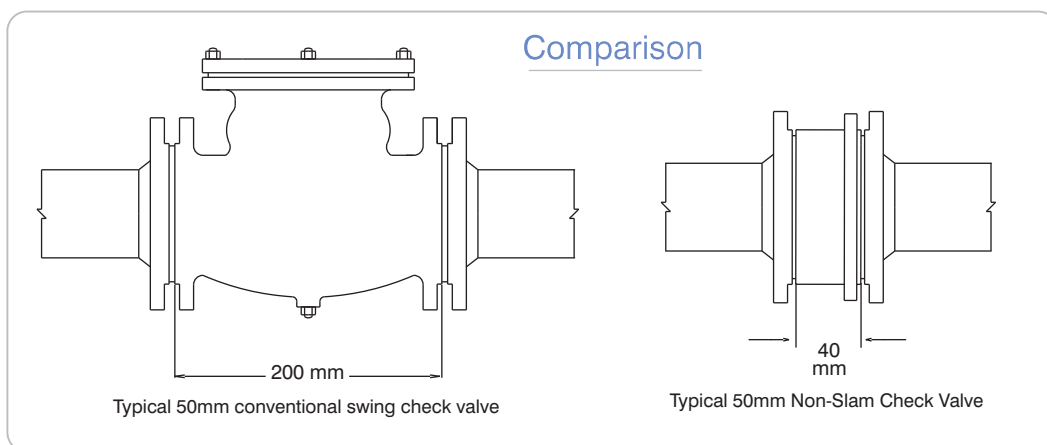
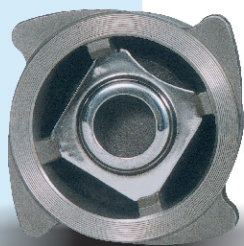
EXPERT, founded in 1981, is a rapidly growing company, manufacturing various types of Industrial Valves. A customer-driven organizational philosophy and investment in the best technology and human resources has enabled us to constantly meet the high standards set by our customers. Expert has received ISO 9001 : 2000 certification from DNV in 2002. We deliver Quality products that bring tangible business value to the customers in India and abroad. We trust "*Winning Together*" is the key to long lasting relationships.

## Non-Slam Check Valves

EXPERT Non-Slam Check Valves are lift type non return valves used in pipelines to prevent back-flow of the fluid. Designed to fit between two flanges, these valves provide a compact installation when compared to the conventional flanged end check valves.

The Non-Slam check valves find application in various types of industries such as Chemical, Pharmaceutical, Power Generation, Textile, Water Treatment, Boilers, Breweries etc. These valves are used in process lines, hot & cold water systems, heating systems, steam and condensate lines, oil lines. (Not recommended for pulp lines and compressor delivery lines)

The Non-Slam Check Valves have short overall length in comparison with the standard Flanged End Check Valves. The size and weight are considerably reduced. This offers great advantage for installation, handling, transportation and storing.



### ✓ Salient Features

- ✓ Compact : Requires little space in pipes
- ✓ Light Weight - compared to flanged end valves.
- ✓ Extremely low opening pressures.
- ✓ Lapped seats to provide tight shut-off.
- ✓ Soft seat option available.
- ✓ Easy to install and maintain.
- ✓ Cam design on body diameter enables self centering during installation.
- ✓ Can be mounted in any plane.
- ✓ Suitable for wide variety of liquids, gases and vapors.
- ✓ Size range : 15 mm. to 150 mm.
- ✓ Testing in accordance with API 598.
- ✓ Available with IBR Certification.

## Construction

### 1. Body

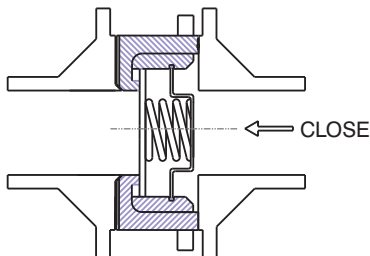
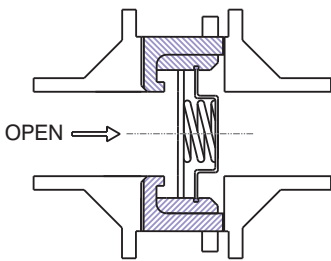
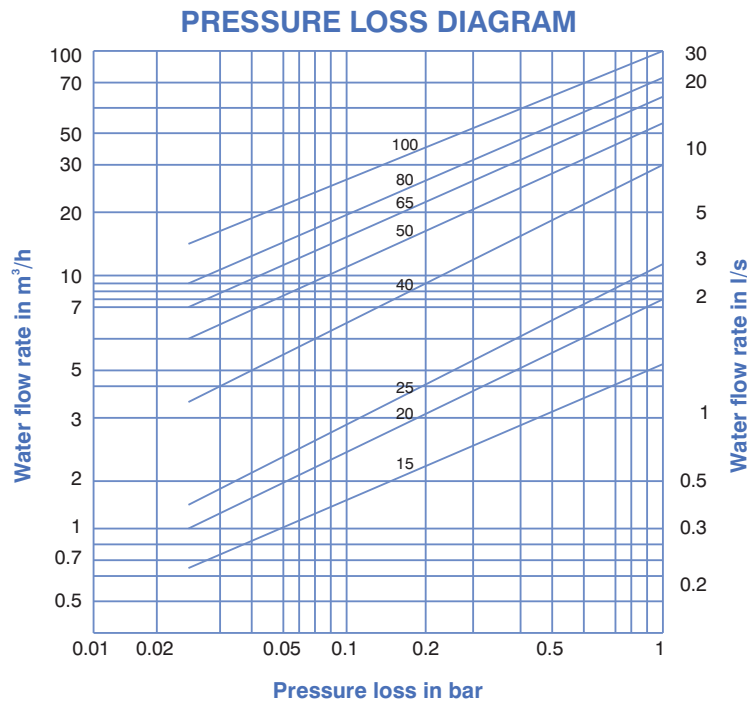
The single piece investment cast body is precision machined and designed to withstand specified pressures. The lugs in the body act as a guide for the smooth movement of the disc in operation. The cam shape on the outer diameter of the body facilitates self centering of the valve during installation.

### 2. Disc

Precision machined and lapped (in case of metal seating) discs are designed to withstand the operating pressures & resist wear & tear in operation.

### 3. Springs

The specially designed springs are of Stainless Steel and ensure positive closing even at low back pressure in any plane.

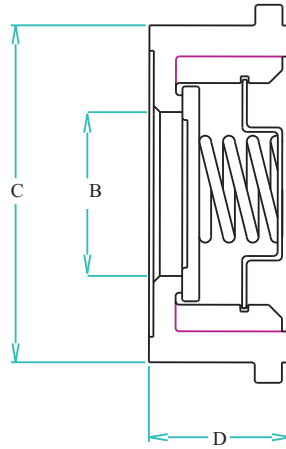
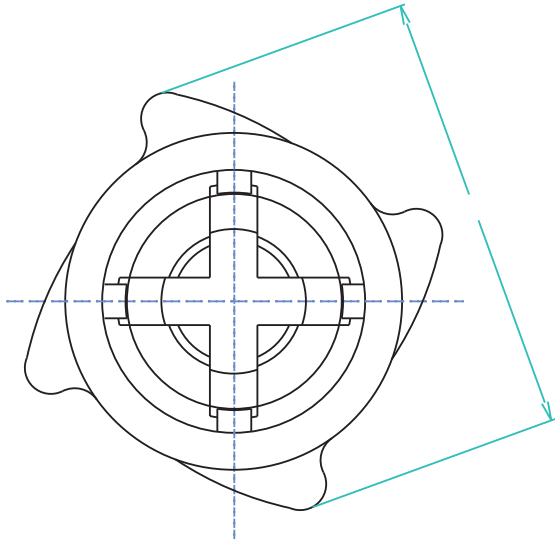


## Operation & Installation

The Non-Slam Check Valves get opened by the pressure of the fluid and get closed by the Spring as soon as the flow ceases.

### To Install :

- a) Clean the surfaces.
- b) Place the bolts on lower half of the flange.
- c) Check the flow direction.
- d) Place the valve between the two flanges to rest on the bolts.
- e) Centering is achieved by means of the cam shape of the body diameter.
- f) Place gaskets between the valve and flanges on both the sides.
- g) Place the bolts on the upper half of the flange.
- h) Tighten the bolts to secure the valve in position.



### STANDARD MATERIAL OF CONSTRUCTION

<b>Body</b>	CF8M
<b>Disc</b>	CF8M
<b>Seat</b>	METAL
<b>Spring</b>	SS316
<b>Spring Lock</b>	SS316

- The optional soft seat available in Nitrile / EPDM / Silicon / Viton / PTFE on request.

SIZE	15	20	25	40	50	65	80	100	150
A	60	70	80	101	115	142	154	184	230
B	15	20	25	40	50	65	80	100	150
C	38	47	55	76	93	109	128	148	202
D	16	20	22	32	40	46	50	60	74

- Valve testing as per API 598.

#### NOTE :

- All dimensions are in mm unless otherwise specified.
- In the process of continuous improvement of products, the data given herein is subject to change.

The information presented in this profile is provided in good faith. Expert reserves the right to modify or improve the specifications without notice and does not imply any guarantee or warranty for any of its products from reliance upon the information contained herein. All orders are subject to final acceptance by EXPERT.

Manufactured by

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