

# NON - RETURN VALVES

## [ FDI - NRV - 801 ]



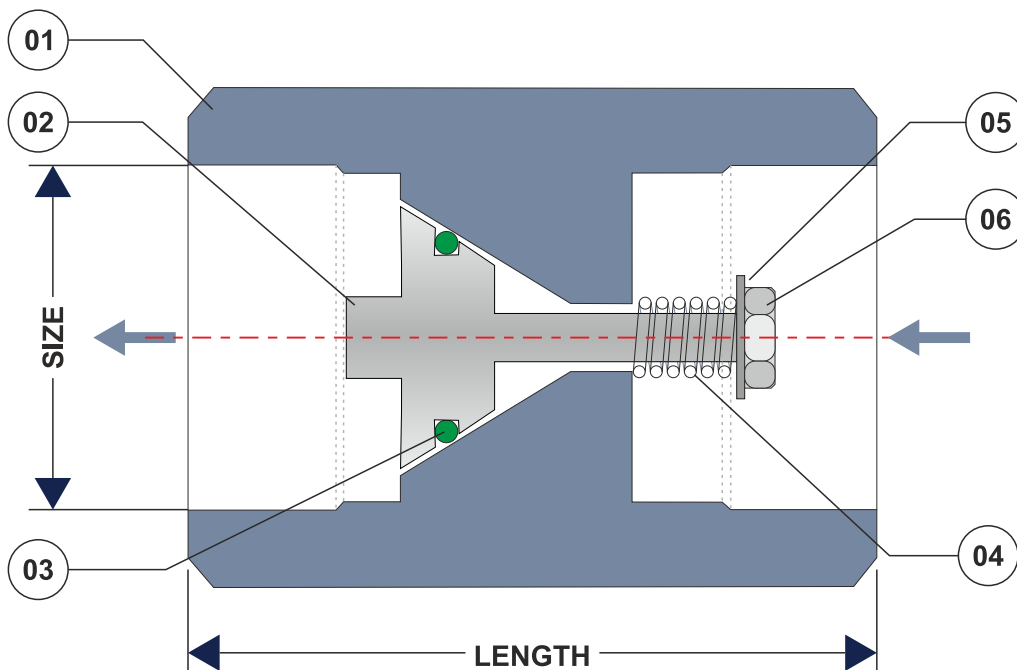
# INTRODUCTION

## WORKING PRINCIPLE

A non-return valve allows a medium to flow in only one direction and is fitted to ensure that the medium flows through a pipe in the right direction, where pressure conditions may otherwise cause reversed flow.

There are different types of non-return valves, such as spring-loaded, swing type, and clapper type valves. Non-return valves are for example used with mixing loops in heating and cooling systems to ensure proper operation, and with domestic water systems to prevent backflow.

Fidicon ensures that reverse flow is not a problem in heating, water supply and wastewater applications, with non-return valves included at the design phase.



Sr.	Part Name	STD. Material
1.	Body	IC CF8 / CF8M
2.	Valve Pin	SS 316 / SS 304
3.	O - Ring	VITON
4.	Spring	SS 316 / SS 304
5.	Washer	SS 316 / SS 304
6.	Nut	SS 316 / SS 304

**Size Range :** 1/2" to 2" Screwed ( Female BSP / NPT )

**Pressure :** Upto 3000 PSI

**Temperature :** Upto 120 Degree Celcius

**Media :** Air, Water, Oil, Gas etc.

**Leakage :** Class V , Bubble Tight

**Connection :** BSP / NPT as per Customer Request.

Sr.	Valve Size		Length	Approx Wt.
	MM	Inch	MM	kg.
1.	15	1/2"	60	0.200
2.	20	3/4"	65	0.370
3.	25	1"	70	0.520
4.	32	1 1/4"	73	0.630
5.	40	1 1/2"	86	1.250
6.	50	2"	94	1.610