



# CV11

## CHECK VALVES

### GENERAL FEATURES

Check valves are commonly used armatures that can be applied for liquid, gaseous and steam applications. They increase the process safety and can be used instead of complicated armatures. Because of short installation time and installation distance, small dimensions; Ayvaz disco check valve appears to be advantageous.

Check valves provide the flows just one way. When liquid flows through to flowing direction, check valves open and let it pass. But liquid tries to flow opposite direction of flowing, check valves close and prevent passing.

**Connection:**  
Wafer type

**Installation:**  
Installation can be done every position.

#### Typical Applications

Heating, airconditioning pipe lines  
Wood-working, pulp and paper industry  
Iron and steel industry, mining industry  
Mineral-oil industry  
Textile industry  
Ship building  
Water, condensate and steam lines

#### Technical Specifications

Max. Working Pressure	16 bar
Max. Working Temperature	250°C

#### Diameters

DN (mm)	inch
125-200	5" - 10"

#### CONNECTIONS

CV 11 Between Flanges/ Wafer Tip	BS 10 tables D,E,F DIN 2501 (PN/6/10/16) ANSI B 16.1 class 125 FF
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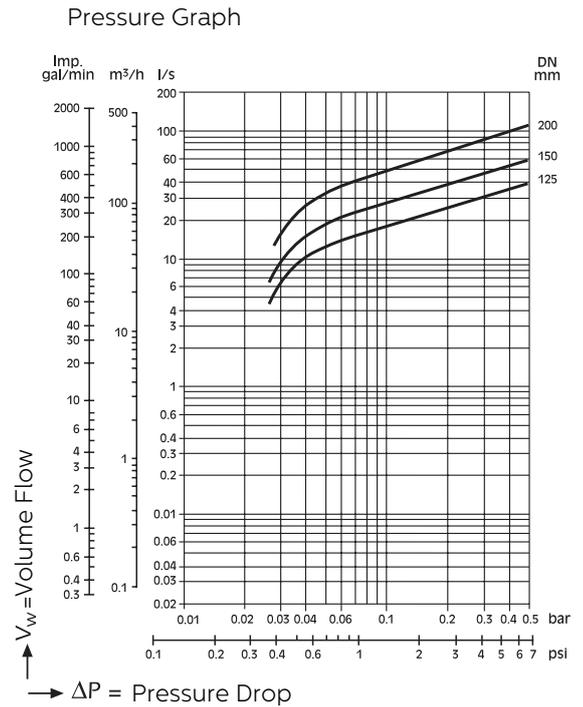
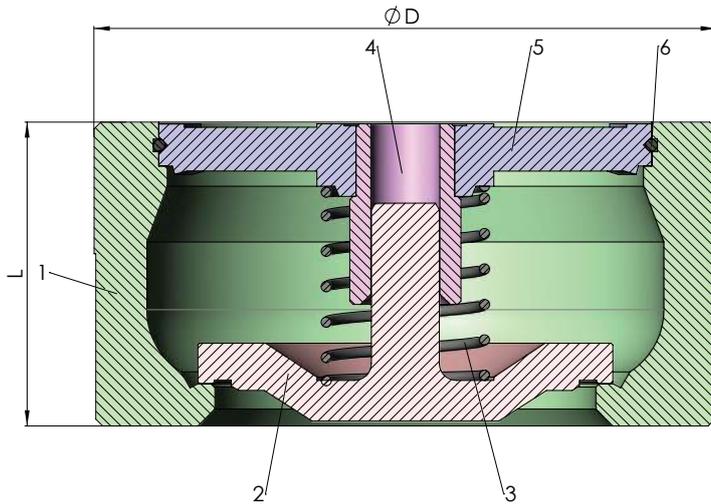
#### WORKING CONDITIONS

Nominal Pressure (PN)	16
Min. Temperature (°C)	-10
Max. Working Pressure (bar)	16-13-13
Temp. related to Pressure(°C)	120-200-300

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The curves given in the chart are valid for water at 20°C. To read the pressure drop for other fluids the equivalent water volume flow rate must be calculated and used in the graph.

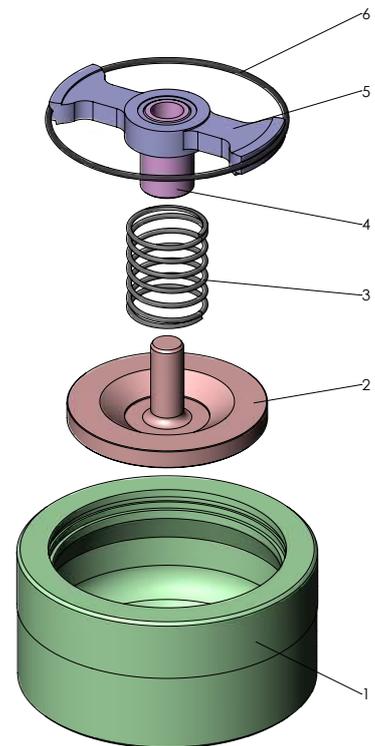
The values indicated in the chart are applicable to spring-loaded valves with horizontal flow.



SPARE PARTS		CV 11
1	Body	GG-25 Cast Iron
2	Disc	GG-25 Cast Iron
3	Spring	Stainless Steel
4	Centering Part	Stainless Steel
5	Segment Holder	Cast Iron
6	Segment	Stainless Steel

Dimensions				
Dia. mm	125	150	200	250
D (mm)	183	210	264	328
L (mm)	90	106	142	200

OPENING PRESSURE MBAR				
DN	Flow Direction			
	Without Spring ↑	Spring ↑	⇒	↓
125	10,5	31	20,5	10
150	11,5	33	21,5	10
200	11,2	32,4	21.2	10



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