

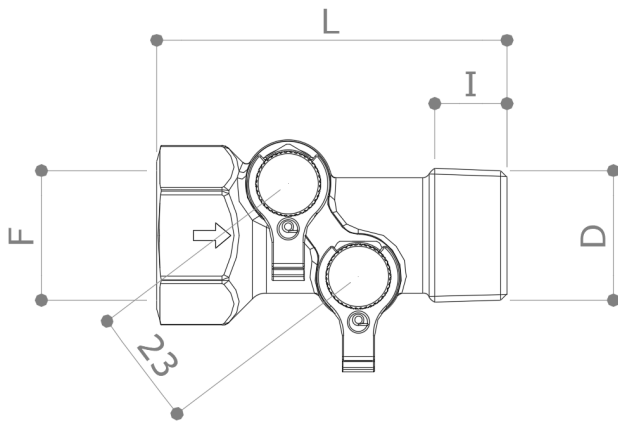


DESCRIPTION

**CV90**

MxF tube with Venturi insert and pressure ports for flow rate measure in HCVAC installation, by means of differential manometers like **MDPS2** and **MDP**.

DIMENSIONS



<b>D*</b>	½"	¾"	1"	1 ¼"
<b>F#</b>	½"	¾"	1"	1 ¼"
<b>L</b>	70	70	85	88.5
<b>I</b>	15.5	15.5	21.5	22
<b>Weight [g]</b>	210	180	350	460

Dimensions in mm  
 \* ISO7/1 thread (tapered)  
 # ISO228/1 thread (parallel)

MATERIALS

- Body** CW602N (UNI EN 12165) CuZn36Pb2
- Pressure port** CW614N (UNI EN 12164) CuZn39Pb3
- Venturi Insert** CW614N (UNI EN 12164) CuZn39Pb3
- O-Rings** EPDMX

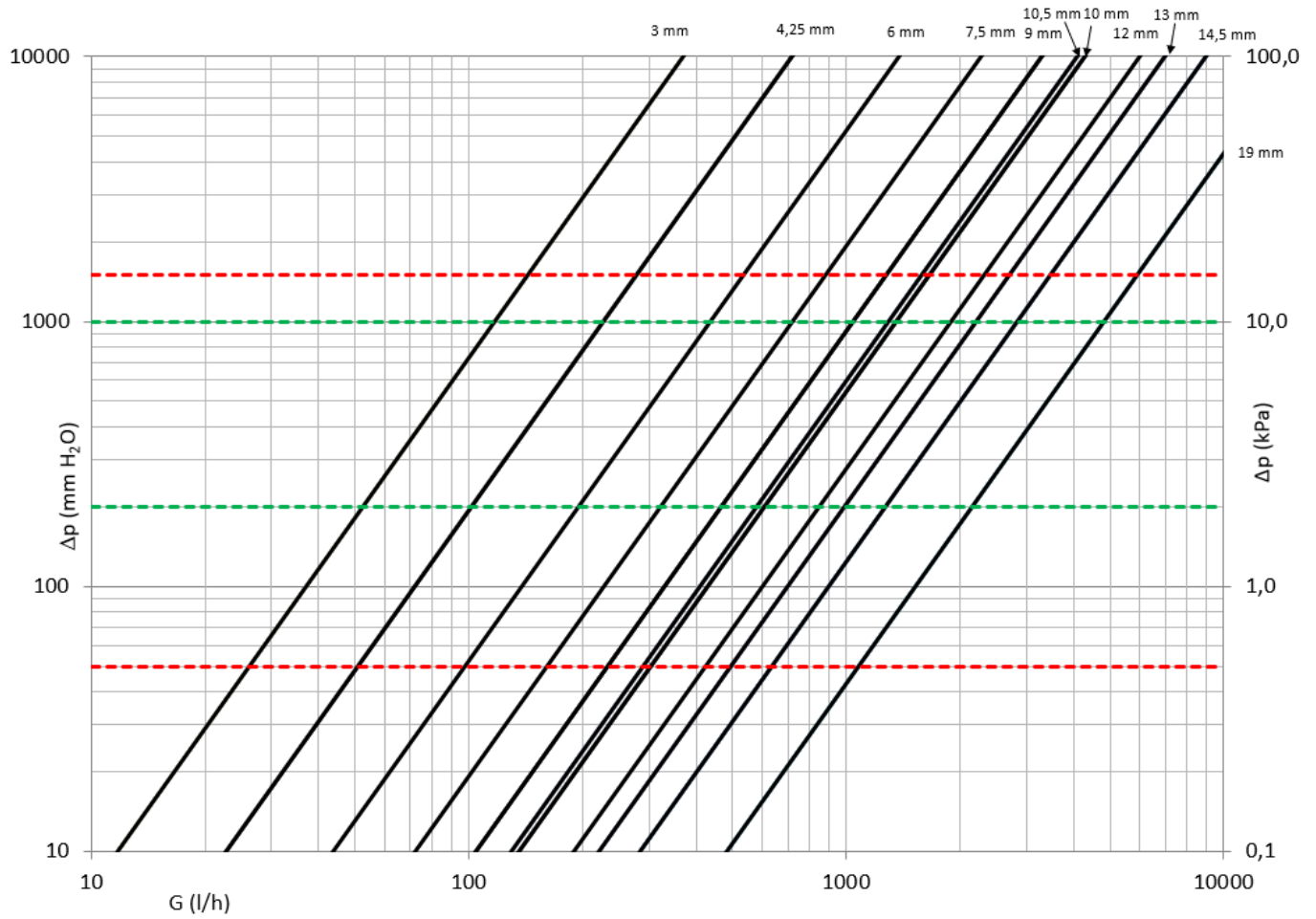
RECOMMENDED WORKING TEMPERATURE/PRESSURE LIMIT

25 bar – 120°C – non shock

VENTURI INSERT FEATURES

CV90	Venturi Diameter	Kvs Venturi ±3%
½" - (¾"*)	3 mm	0.37
½" - (¾"*)	4.25 mm	0.72
½"	6 mm	1.38
¾"*	6 mm	1.34
½"	7.5 mm	2.28
¾"*	7.5 mm	2.15
½"*	9 mm	3.37
¾"	9 mm	3.30
½"*	10.5 mm	4.70
¾"	10.5 mm	4.10
½"*	12 mm	6.85
¾"	12 mm	6.00
1"	10 mm	4.30
1"	14.5 mm	9.00
1 ¼"	13 mm	7.00
1 ¼"	19 mm	15.30

\* available upon request. Please contact Fratelli Pettinaroli S.p.A. Kvs values not shown on the diagram below.



Venturi selection is based on flow rate and differential pressure signal: the signal should be high enough to be read by the differential pressure manometer; in the same way, it should not exceed a certain value in order to reduce overall pressure losses.

Suggested boundaries (green): 2 – 10 kPa

Maximum boundaries (red): 0.5 – 15 kPa

**EXAMPLE OF USE WITH FLOW RATE MEASURING DEVICE MDPS2**

