
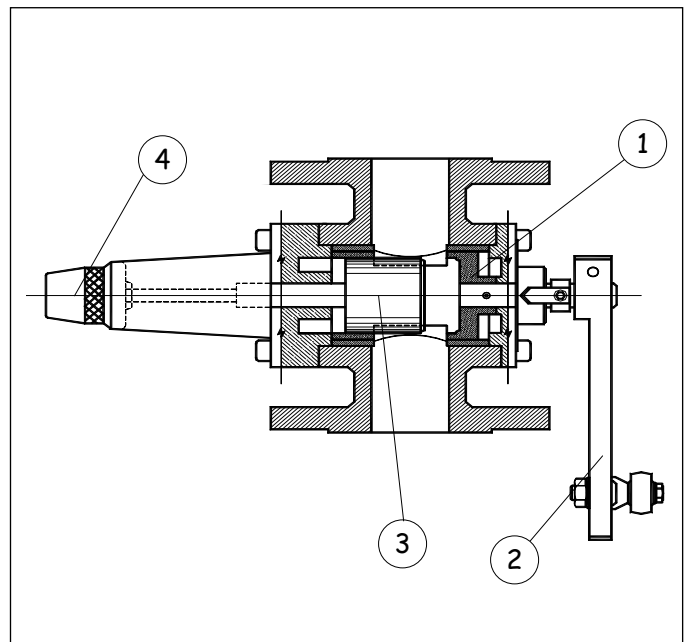


ADJUSTABLE "Cv" VALVE SERIES CVR



- Linear flow characteristic
- Adjustable Cv flow coefficient.
The flow characteristic of the valve can be adapted to the effective characteristic of the process
- Wide regulation range (50:1)
- High reliability during time
-  brand certification
97/23/CE (PED) class I
- Production process certified ISO9001

The characteristic of the adjustable Cv valve series CVR is that it is equipped with two devices fit for adjusting the passing section of the fluid. The first, named flow regulator shutter (1), is activated by the command external lever (2) generally connected with the actuator. The second, named Cv regulator shutter (3), is activated by the manual adjusting screw (4) and it is utilized to fix the valve flow when it is completed opening and consequently its Cv flow coefficient. The control valve series CVR has been projected with a linear flow characteristic; this means that the flow percentage, referred to the full-scale, varies in a proportional way to the shutter adjustment rotation.



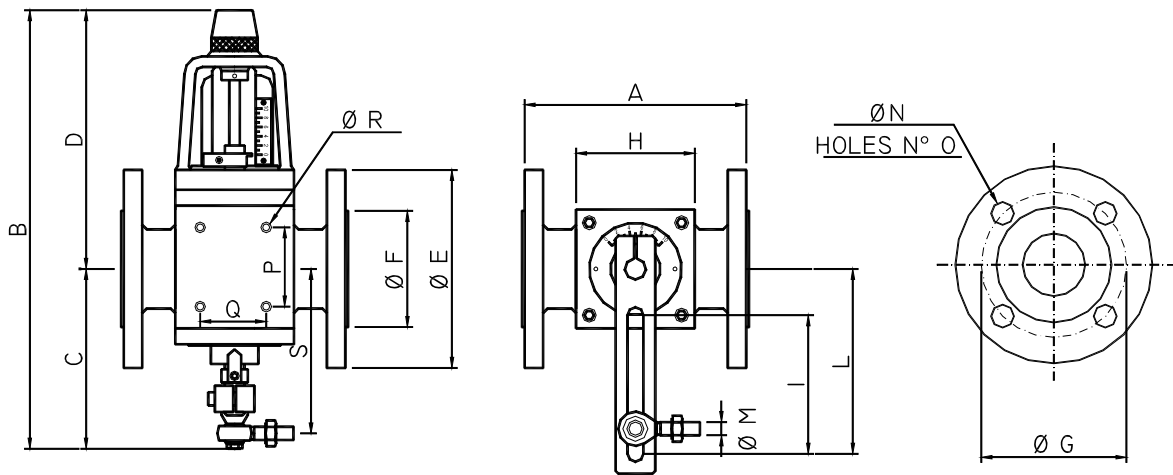
The valve series CVR is constructed with various materials in such way to guarantee the best working conditions and/or safety in function of the process fluid. Constructions are usually made of carbon steel and bronze for natural gas regulations and aluminum and bronze for oxygen flow regulations.

TECHNICAL CHARACTERISTICS

- Flanges : UNI-DIN NP16
- Body : Carbon steel, Aluminum
- Shutter : Bronze, AISI304
- Bush : Bronze
- Regulation lever rotation : 90°
- Fluids : Gas, air and liquids
- Maximum operating pressure : 10 Bar
- Maximum operating temperature : 120°C
- blow-bys with closed valve : 2% of the maximum flow rate

MODEL	NOMINAL DIAMETER		FLOW RATE COEFFICIENT		REGULAT. RANGE	TORQUE
	mm	Inches	Cv	Kv	Rv	Nm
CVR 25	25	1"	15	17	50:1	10
CVR 40	40	1 ½"	30	36	50:1	10
CVR 50	50	2"	55	64	50:1	15
CVR 65	65	2 ½"	80	92	50:1	15
CVR 80	80	3"	108	125	50:1	20
CVR 100	100	4"	200	230	50:1	20

DIMENSIONAL DRAWING



MODEL	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S
CVR 25	170	295	115	180	115	68	85	90	80	115	10M	14	4	50	60	8M	115
CVR 40	170	295	115	180	150	88	110	90	80	115	10M	18	4	50	60	8M	115
CVR 50	240	400	140	260	165	102	125	125	80	115	10M	18	4	95	95	8M	135
CVR 65	240	400	140	260	185	122	145	125	80	115	10M	18	4	95	95	8M	135
CVR 80	300	550	170	380	200	138	160	170	80	115	10M	18	8	110	110	8M	165
CVR 100	300	550	170	380	220	158	180	170	80	115	10M	18	8	110	110	8M	165