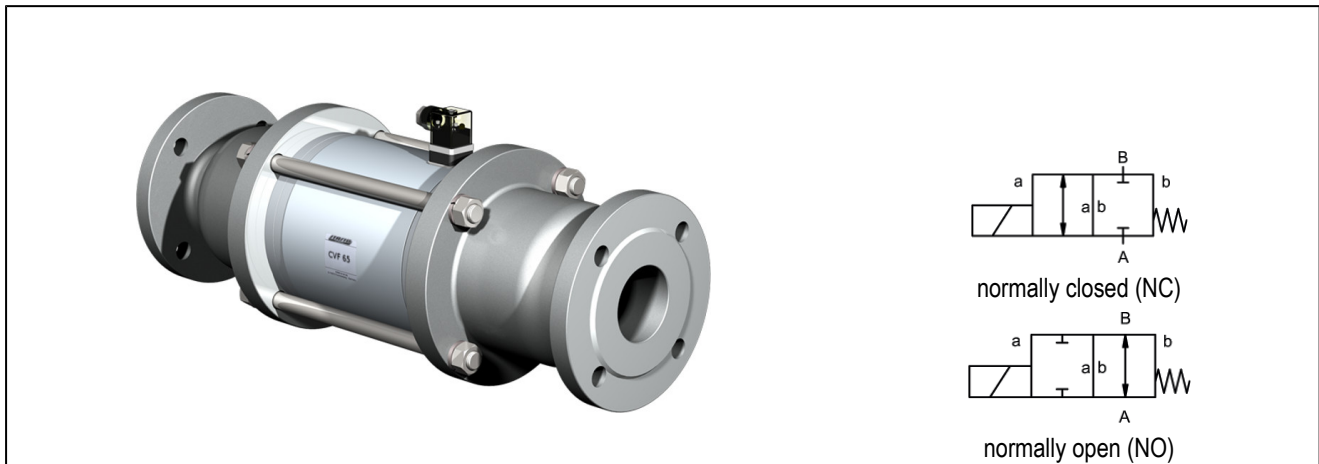


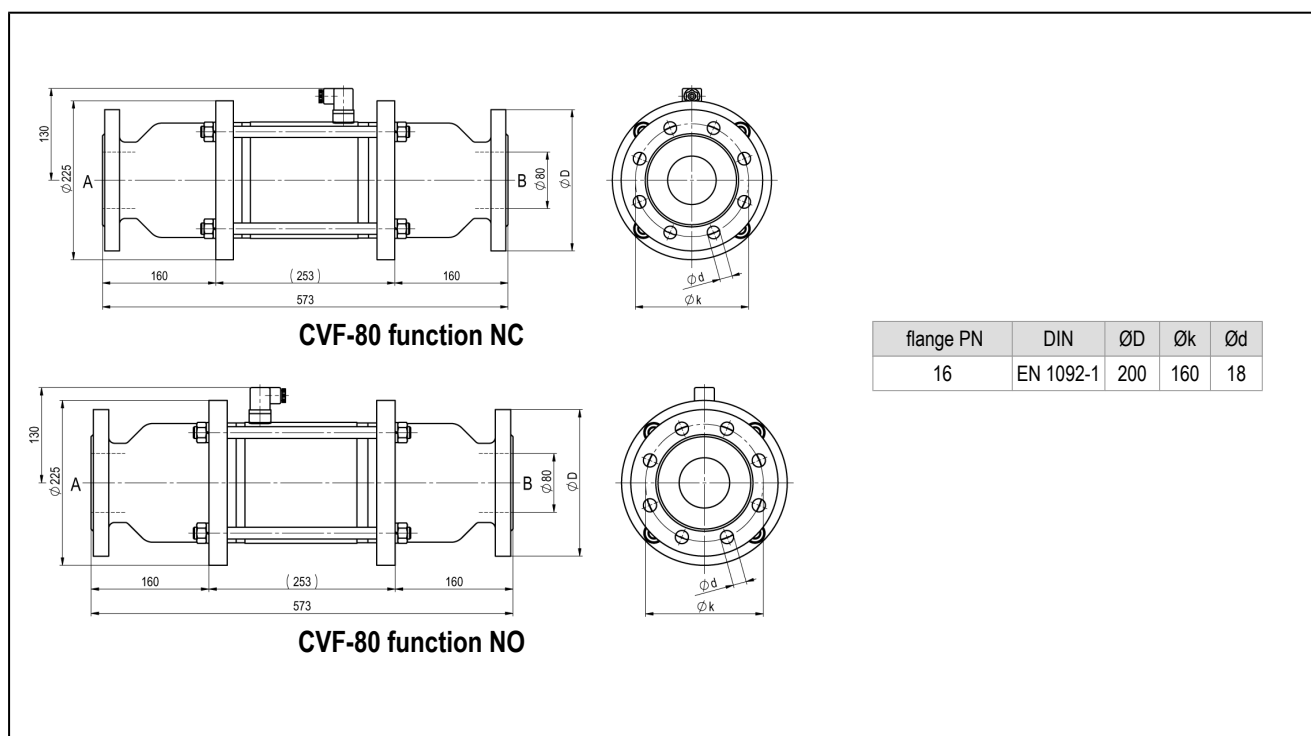
2/2 - way coaxial solenoid valve - directly operated, DN80 series CVF-80



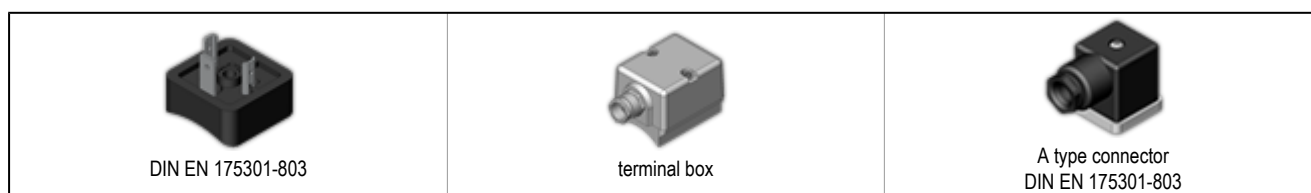
design	2/2 - way coaxial solenoid valve , directly operated, normally closed or normally open
mode of operation	pressure balanced, with spring return
nominal diameter	DN 80mm
connection	flange PN16, special flange on request
pressure range	0-16bar, > 16bar on request
back pressure	P2 > P1, available (max. 5bar)
materials	optional body aluminum, steel nickel plated, zinc plated steel, nonferrous free or stainless steel valve seat plastic on metal, sealing materials NBR, PTFE, FPM, EPDM the indications of material of the remarks exclusively refer to the valve connection parts coming into contact with the medium
media	gaseous - liquid - highly viscous - gelatinous - contaminated
flow direction	A → B, according to identification, (special version bidirectional max. 5bar)
type of fixing	installed into rigid pipework
mounting position	any
vacuum leakage rate	$< 10^{-4} \text{ mbar} \cdot \text{l} \cdot \text{s}^{-1}$
kv value	70,0m³/h
operations	20/min.
switching time	open 600ms, close 800ms
medium temperature	-20...+80°C
ambient temperature	-20...+80°C
certifications	on request LR/GL/EN10204
weight	38,0kg
options	vacuum-test with certificate, limit switch inductive (NO contact PNP- Icomatic/Balluf), cushioned closing on request

type of current	AC and DC
standard voltage	230V/40-60Hz, 24VDC, acceptable voltage tolerance $\pm 10\%$
special voltage	on request
magnetic system	DC direct current solenoid, AC direct current solenoid with integrated rectifier
classification of insulation	H 180°C
current consumption	N-coil 24VDC 4,40A, 230VAC 0,65A, H-coil 230VAC 0,79A
duty cycle	100% duty cycle (continuous operation)
protection class	IP65 according to EN 60529 for a correctly mounted connector (protection against the penetration of dust and jet water)
scope of supply	with connector acc. to EN175301-803-form A (previous DIN43650)-cable inlet M16x1,5
optional	terminal box M16x1,5 on request
additional features	connector with integrated LED and VDR
order data	nominal diameter, connection, NC/NO function, operating pressure, flow rate, medium, medium temperature, ambient temperature, nominal voltage, nominal voltage limit switch
direction for use	the valves technical design is based on media and application, which may lead to deviations from the general information on the data sheet in terms of design, sealing materials and characteristics. if order or application information is inexact or incomplete, there is a risk of the incorrect design of valves for the intended use. This can have the effect that the physical and / or chemical properties of the used materials or seals for the intended purpose are insufficient.

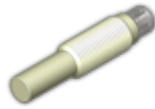
dimensions



electrical connection



limit switch



Icomatic plastic design
M12x1, DC 10 - 60V
AC 15 - 250V
-25...+85°C



Balluff metal
M12x1, DC 10 - 30V
-25...+70°C

illustrations are for information only and are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice