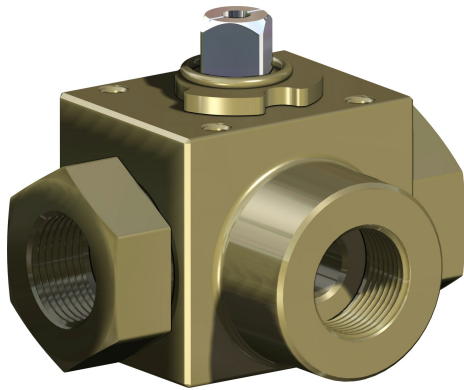


Item 541 carbon steel ball valve



Macro [Ball valves](#)

Category [Other carbon steel ball valves](#)

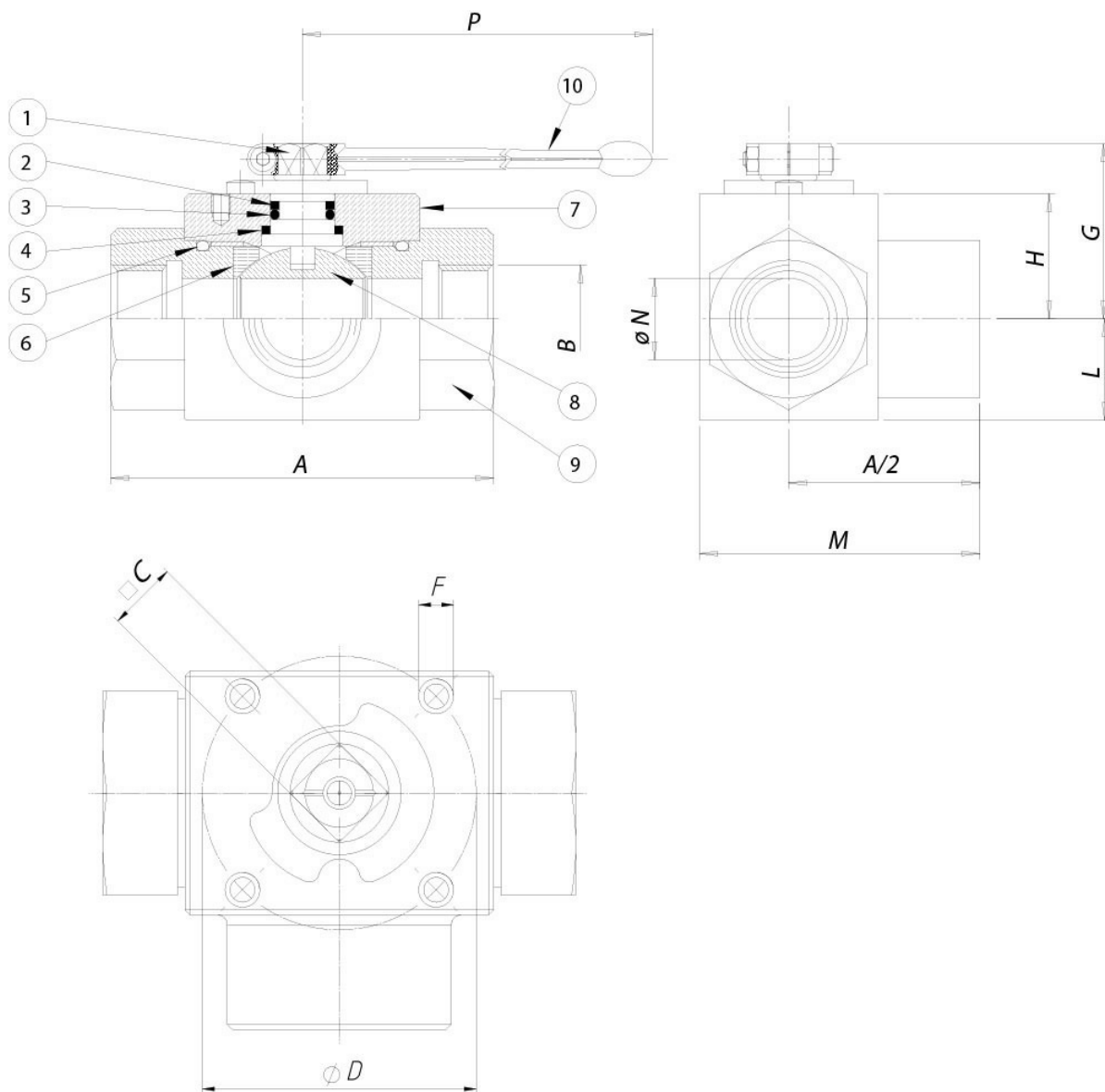
3-way full-bore threaded-ends high pressure carbon steel ball valve

features

GENERAL FEATURES:

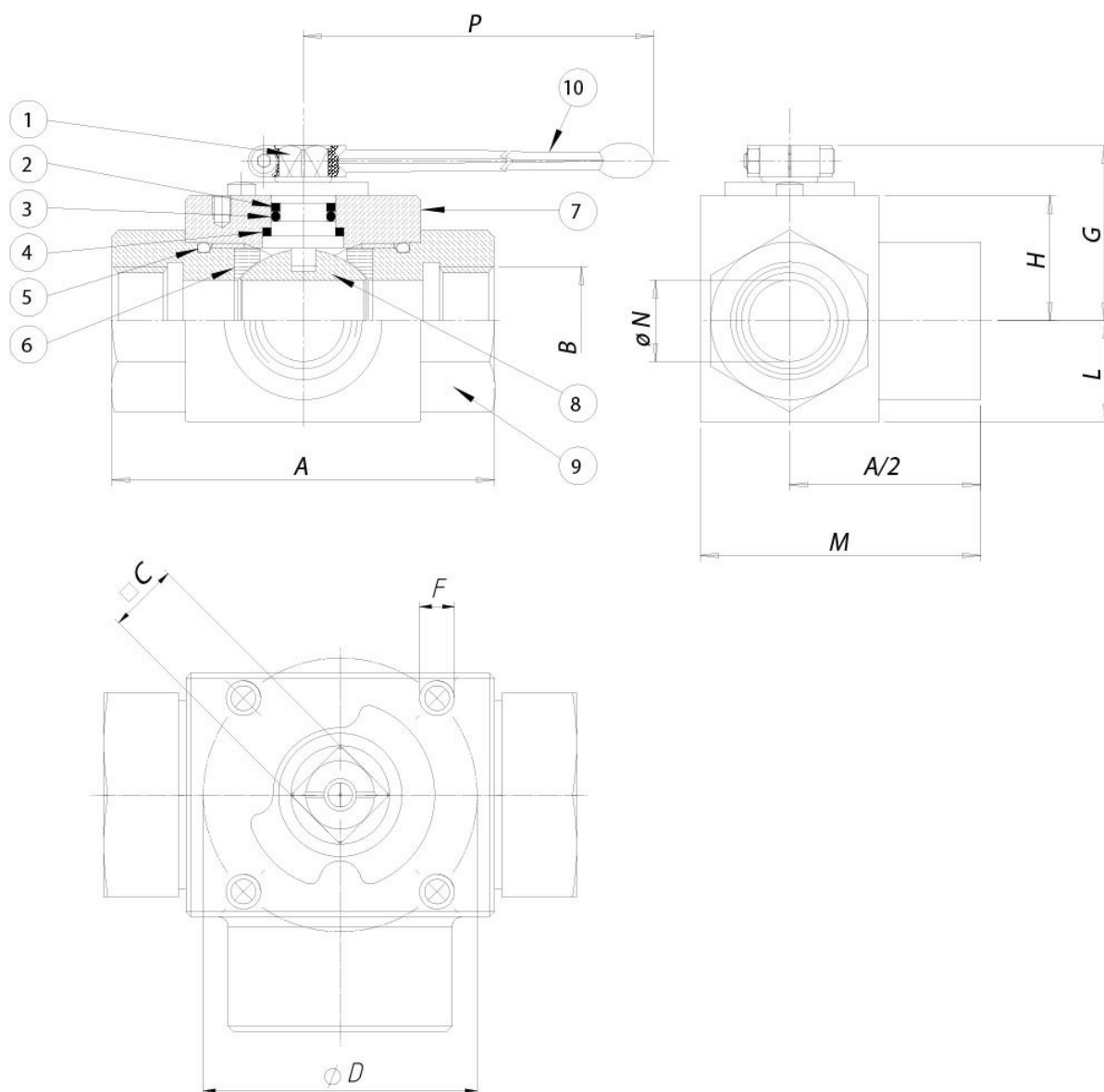
- Threaded ends as per DIN/ISO 228
- The valve works only as a diverter and cannot be used to shut off the flow.
- The inlet must be connected to the central sleeve.
- Working temperature: from -10°C to + 100°C
- Working pressure: 3/8"-1/2" PN 500; 3/4"-1" PN 315.
- Field of use: oils, petroleum and petrochemical products.

dimensions



DIMENSIONS													
SIZE		A	B	□C	D	ISO	F	G	H	L	M	øN	P
DN [mm]	[inch]												
DN 10	3/8"	72	3/8"	9	36	F03	M5	34,5	20,5	17,5	52	10	115
DN 15	1/2"	83	1/2"	9	36	F03	M5	35	21	19	59	13	115
DN 20	3/4"	95	3/4"	14	50	F05	M6	50,5	32,5	24,5	72	20	200
DN 25	1"	113	1"	14	50	F05	M6	53,5	35,5	29,5	85,5	25	200

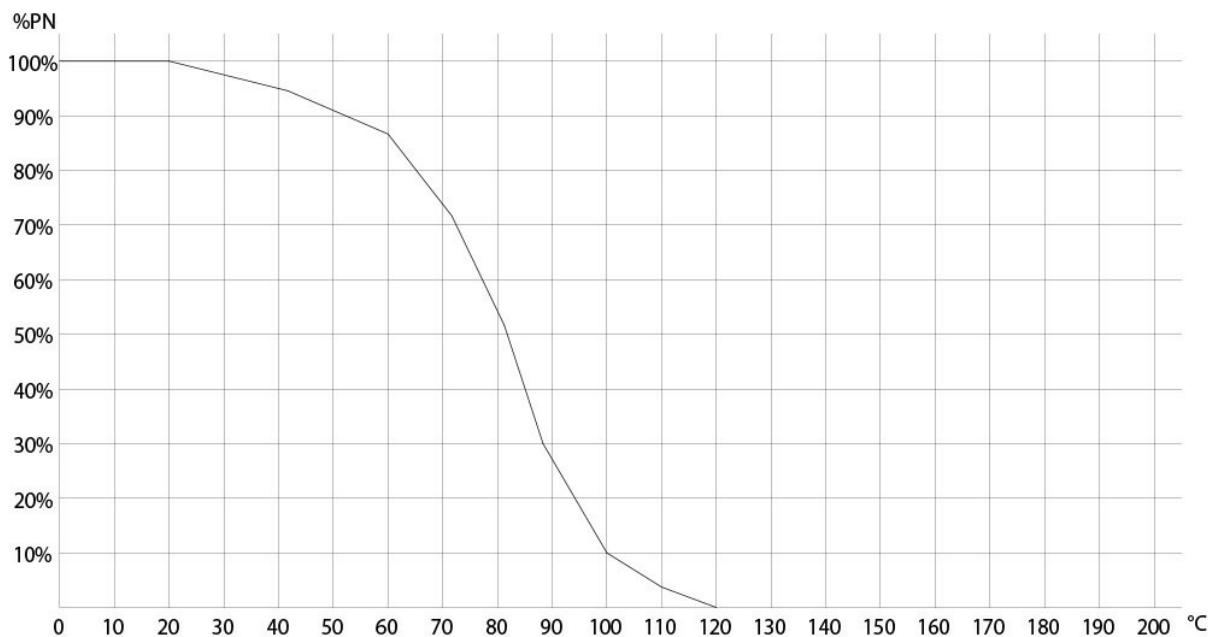
materials



MATERIALS			
1	Shaft	Carbon steel	CF9SMn28
2*	Washer for o-ring protection	P.T.F.E.	
3*	O-ring	FPM	
4*	Washer	POM	
5*	O-ring	FPM	
6*	Ball sealing	POM	
7	Body	Carbon steel	CF9SMn28
8	Ball	Carbon steel chromium plated	CF9SMn28
9	Threaded end	Carbon steel	CF9SMn28
10	Lever	Carbon steel	
* Components of spare part kit KGBV81...			

diagrams and breakaway torque

Pressure/temperature diagram



BREAKAWAY TORQUES Nm				
SIZE	DN 10 3/8"	DN 15 1/2"	DN 20 3/4"	DN 25 1"
PN 315 bar			34	37
PN 500 bar	15	18		

Torque can vary depending on temperature and type of fluid; a safety factor of 1.4 must be applied. Torque can drop on high frequency of operations. The actuator/valve sizing, indicated on the following pages, are based for valves to be used with liquids or gaseous fluids, clean, and for medium temperatures. For further information, or different uses please contact our sales department.

specifications

Plan for "L" port

N.B.:

"A" must be the rest position of the ball with **SR FAIL CLOSE** actuator.

"B" must be the rest position of the ball with **SR FAIL OPEN** actuator.

View from above

