

412 SERIES
V2RD 2 WAY BALL VALVES

TECHNICAL SPECIFICATIONS

Operating pressure:	Up to 500 Bar	
Materials:	Body:	Carbon Steel EN 10277-3 Stainless Steel 316 / 303
	O-rings:	NBR / VITON / EPDM
	Ball seats:	Polyamide 6
	Handle:	Zamak - 5
Available Threads:	BSP / NPTF / ISO 11926 (J1926) DIN 2353 (ISO 8434-1)	
Anchoring System:	Available ISO 5211 (Mounting actuators)	
Applications:	Designed for oil hydraulic (Group II- 2014/68/EU)	
Interchange:	PISTER BKH / MHA BKA / HYDAC KHB / DMIC DVH	
Warning:	⚠ *Do not operate under pressure*. Always observe the specified pressure and temperature limits and refer to the warning sheet for **full safety precautions**.	

Available Sizes: 1/4" a 2"

Working Temperature (O-rings)

NBR	Viton	EPDM
+100ºC	+200ºC	+150ºC
-30ºC	-10ºC	-40ºC

⚠ **Temperature limited by the polyamide seats (approx. max. +120 °C).**
For applications above **+120 °C**, please consult for special versions.

Sectors: Industrial / Agricultural



MODEL STRUCTURE

Example:

412.1016 AG

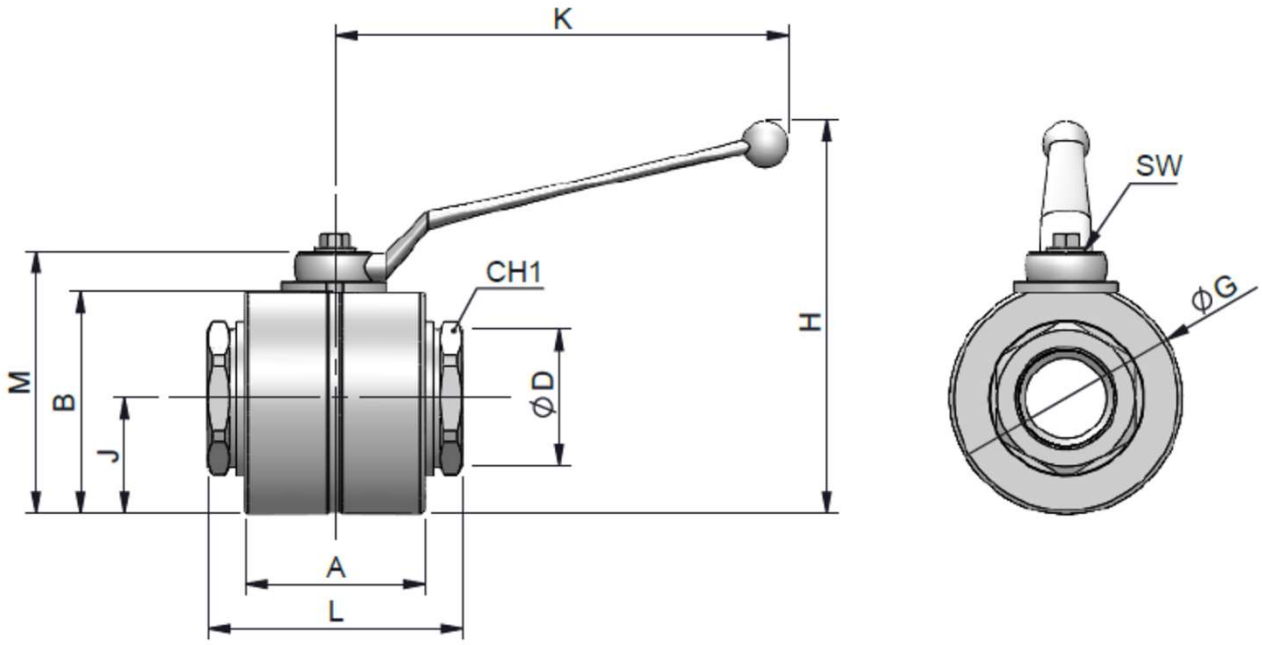
Series	Material	Mounting H.	O-rings	Size (S)		Thread
412.	**1** Carbon St. **2** SS316	**0** No	**1** NBR **2** VITON **3** EPDM	**1** 6 **2** 10 **3** 13 **4** 20 **5** 25 **6** 32 **7** 40 **8** 50	1/4" 3/8" 1/2" 3/4" 1" 1 1/4" 1 1/2" 2"	2 letters as per Table of Threads

INTEVA reserves the right to make modifications to its products without prior notice. Any external or internal alterations to our products will automatically void the warranty.



412 SERIES
V2RD

2 WAY BALL VALVES: F – F
CARBON STEEL
BSP / NPTF / ISO 11926 (J1926)



(S)	Ø D	REF.		CH1	L	A	M	K	H	J	B	ØG	SW
32	1 1/4" BSP	412.1016AG	320	55	110	80	100	160	135	45	86	90	12
	1 1/4" NPTF	412.1016BG											
	1 5/8"- 12h UN (ORB)	412.1016GT											
	M45x2 35L	412.1016JM											
	M52x2 38S	412.1016KN											
40	1 1/2" BSP	412.1017AH	320	65	120	85	127	214	186	55	105	110	
	1 1/2" NPTF	412.1017BH											
50	2" BSP	412.1018AI	320	80	140	100	136	214	195	59	114	118	
	2" NPTF	412.1018BI											

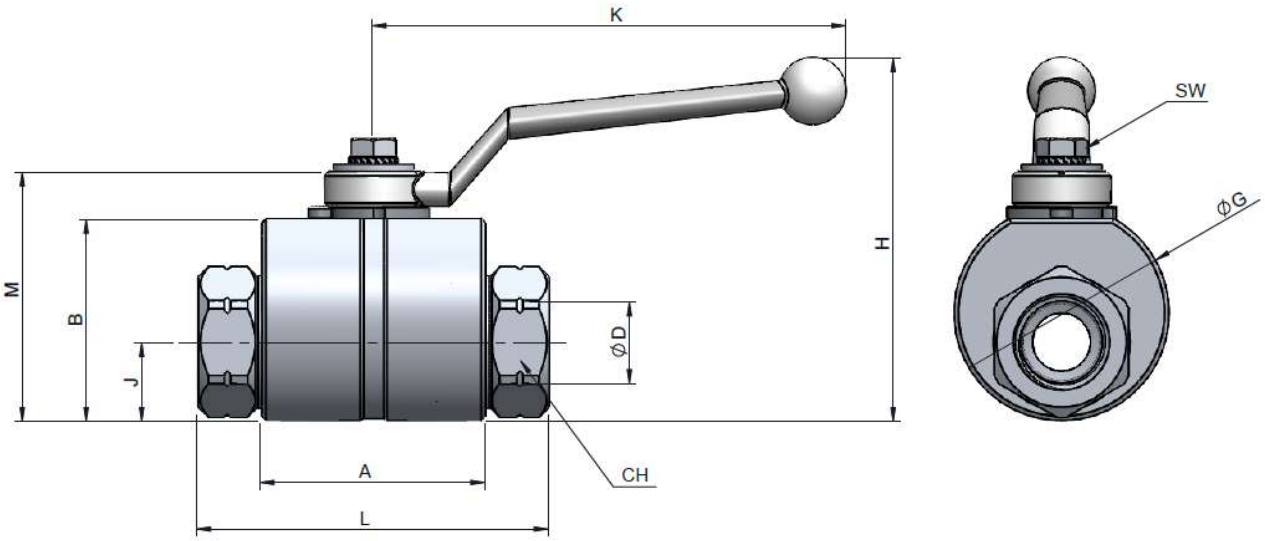
The nominal pressures indicated in the catalog represent the maximum permissible operating pressures, including pressure spikes. Reduced nominal pressures should be considered based on the application, material, and temperature. The safety factor of our ball valves is 2,4 for static conditions. Dynamic working conditions involving high impact pressures and mechanical stresses, such as vibrations, should also be considered.

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412 SERIES
V2RD

2 WAY BALL VALVES: F – F
SS316
BSP / NPTF / ISO 11926 (J1926)



(S)	Ø D	REF.		CH1	L	A	M	K	H	J	B	ØG	SW
6	1/4" BSP	412.2021AB	500	22	75	40	46	106	71	13	35	38	10
	1/4" NPTF	412.2021BB											
	7/16"- 20h UNF (ORB)	412.2021GA											
10	3/8" BSP	412.2022AC	500	27	75	45	51		76	16	40	45	
	3/8" NPTF	412.2022BC											
	9/16"- 18h UNF (ORB)	412.2022GC											
13	1/2" BSP	412.2023AD	500	30	79	50	56	145	81	18	45	48	
	1/2" NPTF	412.2023BD											
	3/4"- 16h UNF (ORB)	412.2023GF											
20	3/4" BSP	412.2024AE	400	41	93	60	75	156	110	25	60	65	14
	3/4" NPTF	412.2024BE											
	1 1/16"- 12h UN (ORB)	412.2024GK											
25	1" BSP	412.2025AF	350	46	115	65	80		115	18	65	70	
	1" NPTF	412.2025BF											
	1 1/4" BSP	412.2025AG		50	137								
	1 1/4" NPTF	412.2025BG											
	1 1/2" BSP	412.2025AH		55	147								
32	1 1/4" BSP	412.2026AG	320	55	110	80	100		135	41	86	90	
	1 1/4" NPTF	412.2026BG											
	1 5/8"- 12h UN (ORB)	412.2026GT											
40	1 1/2" BSP	412.2027AH	320	65	120	85	114	214	176	45	105	110	17
	1 1/2" NPTF	412.2027BH											
50	2" BSP	412.2028AI	320	80	140	100	129		191	52	115	120	
	2" NPTF	412.2028BI											

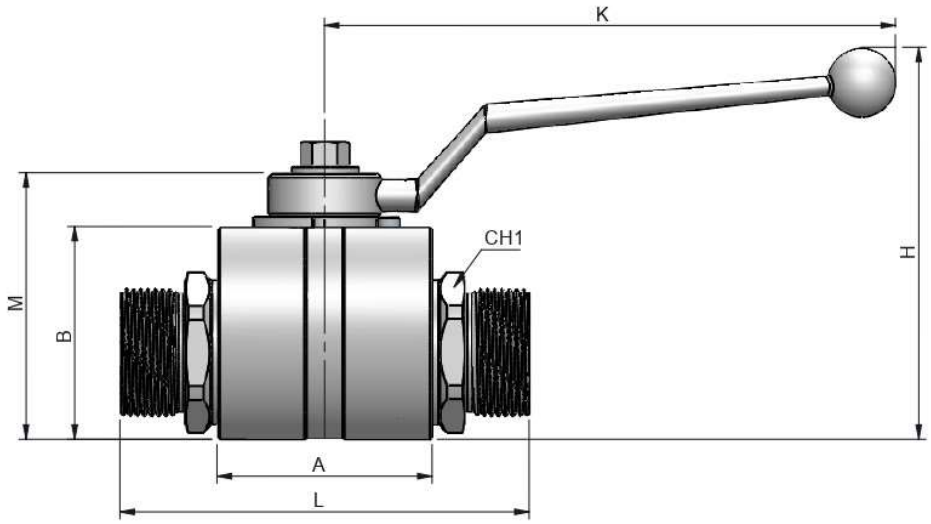
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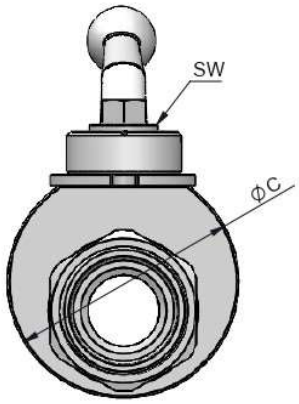
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412 SERIES
V2RD

2 WAY BALL VALVES: M – M
SS316
DIN 2353 (ISO 8431-3)





(S)	Ø D	OD	REF.		CH1	L	A	M	K	H	J	B	ØC	SW
6	M12x1.5	6L	412.2021JB	500	22	75	40	46	106	71	13	35	38	10
	M14x1.5	8L	412.2021JC											
	M16x1.5	8S	412.2021KD											
	M18x1.5	10S	412.2021KE											
10	M16x1.5	10L	412.2022JD	500	27	75	45	51		76	16	40	45	
	M18x1.5	12L	412.2022JE											
	M22x1.5	15L	412.2022JG											
	M20x1.5	12S	412.2022KF											
	M22x1.5	14S	412.2022KG											
13	M22x1.5	15L	412.2023JG	500	30	85	50	56	145	81	18	45	48	
	M26x1.5	18L	412.2023JI											
	M24x1.5	16S	412.2023KH											
	M30x2.0	20S	412.2023KJ											
20	M30x2.0	22L	412.2024JJ	400	41	93	60	75	156	110	25	60	65	14
	M30x2.0	20S	412.2024KJ											
	M36x2.0	25S	412.2024KK											
25	M36x2.0	28L	412.2025JK	350	46	115	65	80		115	18	65	70	
	M42x2.0	30S	412.2025KL											
32	M45x2.0	35L	412.2026JM	320	55	110	80	100		135	41	86	90	
	M52x2.0	38S	412.2026KN											

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