



CAPPED VALVES

The main parts of the capped valves are made with the following materials:

- Hot forged brass EN 12420 – CW 617N for the body
- Steel, with proper surface protection, for the spindle.
- Chloroprene rubber (CR) and aramid fibres for gland seal
- Glass-reinforced PBT for the protective cap that covers the spindle.

The brazing of capped valves with solder connections, type 6420, should be carried out with care, using a low melting point filler material. It is necessary to remove the spindle assembly, including the packing gland before brazing the body. It is important to avoid direct contact between the torch flame and the body, which could be damaged and compromise the proper functioning of the valves.

TABLE 12: General characteristics of capped valves

Catalogue Number	Connections			Kv Factor [m³/h]	PS [bar]	TS [°C]		TA [°C]		Risk Category according to PED Recast	
	SAE Flare	ODS				min.	max.	min.	max.		
		Ø [in.]	Ø [mm]								
6410/2 641	1/4"	-	-	0,40	45	-40	+110	-40	+50	Art. 4.3	
6410/3 641	3/8"			1,00							
6410/4 641	1/2"			1,45							
6410/5 642	5/8"			1,70							
6410/6 642	3/4"			3,50							
6420/2 642	-			1/4"							0,40
6420/3 642	-	3/8"	1,00								
6420/3S3 642	3/8" - OUT	3/8" - IN									
6420/M10 642	-	-	10	1,45							
6420/M12 642		-	12								
6420/4 642		1/2"	-								1,70
6420/5 642		5/8"	16								3,50
6420/M18 642		-	18								
6420/6 642		3/4"	-								
6420/M22 642		-	22								
6420/7		-	7/8"		-						

TABLE 13: Dimensions and weights of capped valves

atalogue Number	Dimensions [mm]					Weight [g]
	H ₁	H ₂	L ₁	d	l	
0/2	85,5	67	68	4,5	38	305
0/3			74			325
0/4			78			330
0/5						
0/6	113	89,5	98	6,2	50	695
0/2	85,5	67	57	4,5	38	300
0/3			61			305
0/3S3			67,5			
0/M10			61			
0/M12			70			
0/4			71			
0/5						
0/M18	113	89,5	92	6,2	50	700
0/6			94			685
0/M22						
0/7						