

TABLE 1: General Characteristics

Catalogue Number	Connections					Kv Factor [m³/h]	Minimum Opening Pressure Differential [bar]	TS [°C]		PS [bar]	Risk Category according to PED
	SAE Flare	ODS		ODM				min.	max.		
		Ø [in.]	Ø [mm]	Ø [in.]	Ø [mm]						
3142/7		7/8"	22			6,6					Art. 3.3
3142/M28		–	28			8,8					
3142/9		1.1/8"	–			15,2					
3142/11		1.3/8"	35			25,0					
3142/13		1.5/8"	–			40,0					
3142/M42		–	42								I
3142/17		2.1/8"	54								
3142/21		2.5/8"	–				0,1	– 35	+160		
3142/25		3.1/8"	–								

TABLE 2: Dimensions and Weights

Catalogue Number	Dimensions [mm]							Weight [g]
	H	H ₁	L	L ₁	Q	Ø D	Ch	
3142/7			170					1320
3142/M28	84,5	28,5	201		60			
3142/9								
3142/11	101,5	34	232		68			
3142/13								
3142/M42	125,5	37	256		88			3315
3142/17								4875
3142/21	142	42,5	285		104			
3142/25			329			–	–	5690

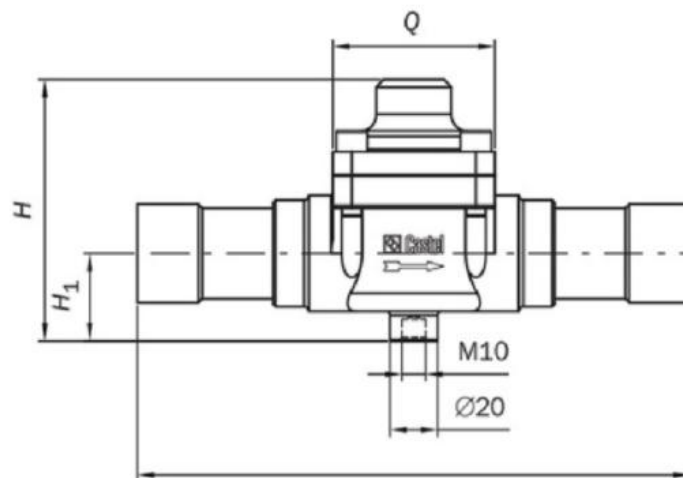


TABLE 3: Refrigerant Flow Capacity															
Catalogue Number	Refrigerant Flow Capacity [kW]														
	Liquid					Vapour					Hot Gas				
	R134a	R22	R407C	R404A	R410A	R134a	R22	R407C	R404A	R410A	R134a	R22	R407C	R404A	R410A
3142/7	111,2	118,8	123,7	78,5	125,7	14,3	17,8	17,7	14,9	23,8	56,1	77,2	76,7	66,0	85,8
3142/M28	148,3	158,4	164,9	104,7	167,6	19,0	23,8	23,6	19,9	31,7	74,8	103,0	102,3	88,0	114,4
3142/9															
3142/11	256,1	273,6	284,8	180,9	289,4	32,8	41,0	40,7	34,4	54,7	129,2	177,8	176,6	152,0	197,6
3142/13	421,3	450,0	468,5	297,5	476,0	54,0	67,5	67,0	56,5	90,0	212,5	292,5	290,5	250,0	325,0
3142/M42															
3142/17	674,0	720,0	749,6	476,0	761,6	86,4	108,0	107,2	90,4	144,0	340,0	468,0	464,8	400,0	520,0
3142/21															
3142/25															

Refrigerant flow capacity referred to the following operating conditions:

- Evaporating temperature: + 4 °C
- Condensing temperature: + 38 °C
- Pressure drop: 0,15 bar

Particularly for hot gas:

- Suction temperature: + 18 °C
- Pressure drop: 1 bar