

VALVES FOR REFRIGERATING SYSTEMS







RECEIVER VALVES



APPLICATIONS

The receiver valves, shown in this chapter, are classified "Pressure accessories" in the sense of the Pressure Equipment Directive 97/23/EC, Article 1, Section 2.1.4 and are subject of Article 3, Section 1.3 of the same Directive. They are designed for installation on commercial refrigerating systems and on civil and industrial conditioning plants, which use the following refrigerant fluids: R22 , R134a, R404A, R407C, R410A; R507 proper to the Group II (as defined in Article 9, Section 2.2 of Directive 97/23/EC and referred to in Directive 67/548/EEC). For specific applications with refrigerant fluids not listed above, always proper to the Group II, please contact Castel Technical Department.

COSTRUCTION

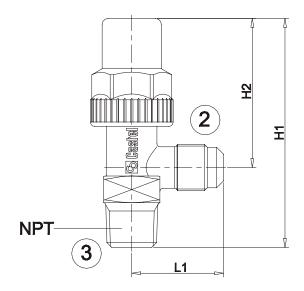
These valves are available in the following two types:

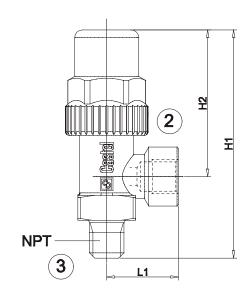
- Two-ways valves, 90° angle connections, types 6110 and 6120
- Three-ways valves; two main connections (90° angle) plus a third one for charging, type 6132. The access connection may be shut off by the back-seating of the spindle
- Two-ways valves, 120° angle connections, type 6140 The main parts of the receiver valves are made with the following materials:
- Hot forged brass EN 12420 CW 617N for body
- Steel, with proper surface protection, for the spindle
- Chloroprene rubber (CR) and aramidic fibers for gland seal
- Glass reinforced PBT for cap that covers the spindle

			TABLE	1: General Chara	cteristics			
Catalogue Number	Connections			V 5 1	TS [°C]		D0	D: I
	SAE Flare		NPT	Kv Factor [m³/h]	13 [6]		PS [bar]	Risk Category
	(1)	(2)	(3)	[1119/11]	min.	max.	[Dai]	Galegory
6110/21		1/4"	1/8"					
6110/22	1 -	1/4"	1/4"	0.44				
6110/X15	1/4" F	1/4"	_	0,44				
6110/X11	_	_	1/4" M/F					
6110/23		1/4"	3/8"	0,45				
6110/32]	3/8"	1/4"	1,35		+130	45	Art. 3.3
6110/33]	3/8"	3/8"					
6110/X13	3/8" F	3/8"	_					
6110/43		1/2"	3/8"	2,40				
6110/44		1/2"	1/2"	3,40	-60			
6110/54		5/8"	1/2"					
6110/66		3/4"	3/4"	6,00				
6120/22		1/4"	1/4"	0,44				
6120/23		1/4"	3/8"	0,45				
6120/32		3/8"	1/4"	1,35				
6120/33		3/8"	3/8"	1,35				
6120/43		1/2"	3/8"	2,40				
6120/44		1/2"	1/2"	3,40				
6120/54		5/8"	1/2"					
6120/66]	3/4"	3/4"	6,00]			
6132/22	1/4"	1/4"	1/4"	0,45		+110		
6132/33		3/8"	3/8"	1,20				
6132/44		1/2"	1/2"	2,20				
6132/54	1	5/8"	1/2"	3,85				
6140/22	_	1/4"	1/4"	0,36		. 100		
6140/23		1/4"	3/8"			+130		

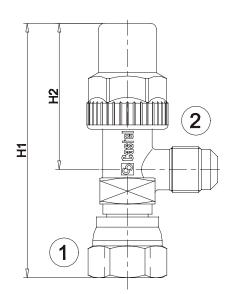
	TAE	BLE 2: Dimensio	ons and Weights		
Catalogua Numbar		Weight			
Catalogue Number	H ₁	H ₂	H ₂ L ₁		[g]
6110/21	70,5	48	27,5		100
6110/22	72				110
6110/X15	83				130
6110/X11	88	56	28,5		230
6110/23		50	29	_	135
6110/32	77		31		130
6110/33					140
6110/X13	87				175
6110/43	88	56	34,5		220
6110/44	00				235
6110/54	92				245
6110/66	128	88	42,5		675
6120/22	28		72	48	110
6120/23		_	77	50	130
6120/32	30		80		135
6120/33	30		80		140
6120/43			93		225
6120/44	33				305
6120/54	33		94		245
6120/66	40		129,5	88	670
6132/22	56	29	94	64	240
6132/33	30		97		250
6132/44	66	36	112	75	350
6132/54	00		115		365
6140/22	57	-	69	46	115
6140/23	3/			46	125

6110 6110/X11

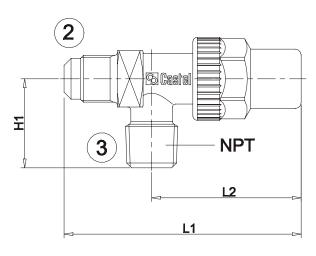




6110/X13 6110/X15







6132

