

BALL VALVES 6577E-A WITH INTEGRAL ACCESS PORT

FOR REFRIGERATION APPLICATIONS
USING TRANSCRITICAL **R744 REFRIGERANT**



GREEN EXTREME

Castel proposes a NEW wide range of Ball Valves 6577E-A series with Integral Access Fitting, for CO₂ transcritical and subcritical systems with a maximum working pressure up to 130 bar.

VALVE WITH INTEGRATED ACCESS PORT COMPACT DESIGN, SAFETY, AND HIGH PERFORMANCE

The valve with integrated access port offers a complete and reliable solution for refrigeration systems R744. Its compact design eliminates external fittings, reducing the risk of refrigerant leaks and ensuring optimal sealing. Installation is **quick and straightforward**, while the monoblock construction guarantees **high performance** and long-lasting durability.

Efficiency, safety, and ease of installation in a single component!

What's NEW

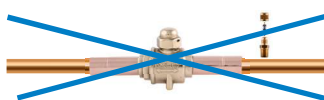
- Maximum Working Pressure
PS 130 Bar

- Minimum/Maximum Working
Temperature
TS -40/+150°C

- Copper K65 Connections
From 1/4" To 2. 1/8"

- Available "V" Port on
Request

- UL Approval ongoing



Standard installation



Castel new solution

Benefits



**EASIER AND FASTER
INSTALLATION**



COMPACT DESIGN



**NO RISK OF REFRIGERANT
LEAKS**



LOW COST OF INSTALLATION

Disegno Drawing Dessin Zeichnung	N° Catalogo Part number N° Catalogue Katalog Nr	Attacchi Connections Raccords Anschlüsse		Foro Sfera Ø Ball port Ø Orifice bille Ø Bohrung Ø	Kv [m ³ /h]	PS [bar]	MWP [psi] (1)	TS [°C]		Confezione n° pz Package pcs Emballage Verpackung	
		ODS						min.	max.		
		Ø [in.]	Ø [mm]								
	6577E/2A	1/4"	-	10	0,8	130	1885	-40	+150	25	
	6577E/3A	3/8"			3						
	6577E/4A	1/2"			5						
	6577E/5A	5/8"	16	15	17					6	
	6577E/6A	3/4"	-	19	29						
	6577E/7A	7/8"	22	25	51						
	6577E/9A	1.1/8"	-	32	86						
	6577E/11A	1.3/8"	35	40	117						
	6577E/13A	1.5/8"	-	50	214					1885	6
	6577E/17A	2.1/8"	54	50	214					1885	1

(1): in corso di omologazione UL
NB: disponibili versioni a flusso proporzionale
V-PORT

(1): UL approval ongoing
NB: proportional flow versions available
V-PORT

(1): homologation UL en cours
NB: versions à débit proportionnel disponibles
V-PORT

(1): UL-Zulassung ausstehend
NB: Versionen mit Proportionaldurchfluss erhältlich
V-PORT

Castel has always been aware of environmental sustainability issues and gives its contribution to a cleaner environment, supplying the refrigeration and air conditioning industry with state-of-the-art and environment-friendly technology. With its commitment and steady research in its laboratories, Castel has developed a whole range of products using natural refrigerants, which reduce emissions to the minimum. The large range of products belonging to the Castel "GoGreen" line has been developed to be used in CO₂ (R744) filled systems.

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