Castel®
Italian technology

POLYHEDRA

GOGREEN

R744 • NATURAL REFRIGERANT

CHANGEOVER VALVES
HIGH PERFORMANCE
3032 ORS SERIES





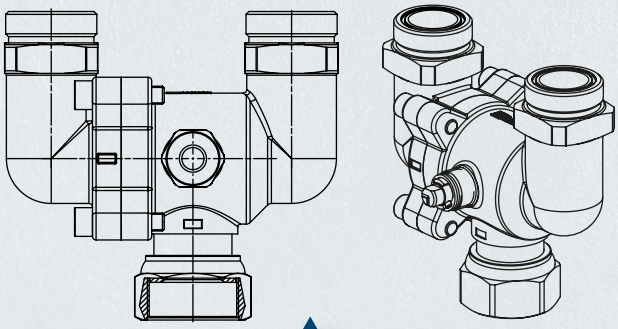
CASTEL PROPOSES A WIDE RANGE OF CHANGEOVER VALVES HIGH PERFORMANCE 3032 ORS SERIES WITH SWIVELS COMPATIBLE WITH REFRIGERANTS HFC, HFO, HC AND CO2.

Changeover valves 3032 ORS series with swivels allow for the management of a pair of safety valves, enabling the isolation of one valve while the other remains active. This system facilitates maintenance operations, such as inspections or replacements, while the system is operative and ensuring overall safety.

WHY CHOOSE NEW CHANGEOVER VALVES

Easy and Quick Installation: One of the most appreciated advantages of Changeover Valves with swivels is their simple and quick installation. Thanks to a compact design studied to facilitate assembly, even the replacement of safety valves becomes quick and safe.

Flexibility and Mobility: The inlet and outlet swivels on the Changeover Valves offer great freedom of movement. This allows both the Changeover Valves and the safety valves to be oriented precisely.



KEY BENEFITS

- HIGH FLOW CAPACITY
- LOW PRESSURE DROP
- NO ORIENTATION PROBLEMS
- COMPACT DESIGN
- EASY TO DISMANTLE
- LOW COST OF INSTALLATION

TECHNICAL DATA

- MAXIMUM WORKING PRESSURE PS 150 BAR
- MINIMUM/MAXIMUM WORKING TEMPERATURE TS -40/+150°C
- INLET CONNECTIONS 1.1/4" ORS TO 1.1/2" ORS
- BODY STAINLESS STEEL MATERIAL
- OUTLET CONNECTIONS 1/2" TO 1.1/4" NPT
- CERTIFICATION PED-CE and UL

INSTALLATION FLEXIBILITY

Choosing a Changeover Valve 3032 ORS with swivels means opting for a solution that combines efficency and ease of installation.



AVAILABLE ADAPTERS



Threaded adapters ORS x NPT for liquid receivers and exchangers installation



ORS x ODS/ODM adapters for remote installation

COMPATIBLE CONFIGURATIONS

Installation of safety valves with NPT connections.



Safety Valves with NPT connections

Adapters series 3039

Changeover 3032 ORS

Adapters series 3036

Direct installation of safety valves with ORS connections.

Safety Valves with ORS connections

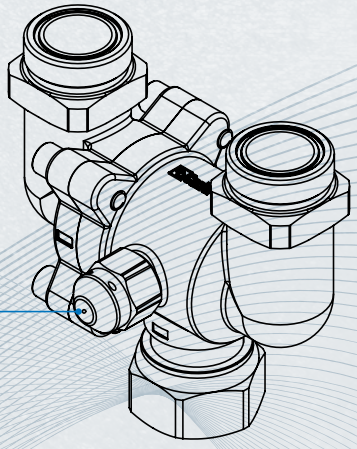


Changeover 3032 ORS

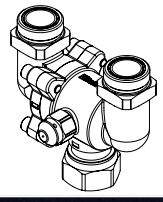
Adapters series 3036

SAFETY SEAL

Plug with holes for installation of a safety seal



CHANGEOVER VALVES - APPROVED BY UNDERWRITERS LABORATORIES INC.

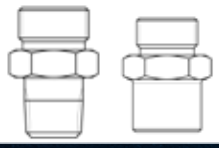
Drawing	Part number	Connections		Kv	PS	MWP	TS [C°]	
		IN swivel female	OUT swivel male	[m3/h]	[bar]	[psi] (1)	min.	max.
	3032*/1010ORS	1.1/4" ORS	1.1/4" ORS	22	50 (N) 150 (E)	725 (N) 2175 (E)	-50	+150
	3032*/1212ORS	1.1/2" ORS	1.1/2" ORS	29				

* Suffix N : products for HFC,HFO and HC
* Suffix E : products for CO2

COUPLE OF CONNECTIONS FOR ORS CHANGEOVER VALVES AND SAFETY VALVES

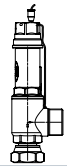
Drawing	Part number	Connections		Material	For safety valves
		IN female	OUT		
	3039/106	1.1/4" ORS	3/4" NPT	Stainless steel	3030/66C; 3065/6C; 3030E/610C
	3039/108	1.1/4" ORS	1" NPT		3030/88C
	3039/1010	1.1/4" ORS	1.1/4" NPT		
	3039/128	1.1/2" ORS	1" NPT		3030/88C
	3039/1210	1.1/2" ORS	1.1/4" NPT		
	3039/1212	1.1/2" ORS	1.1/2" NPT		

ADAPTERS FOR LIQUID, EXCHANGER AND REMOTE INSTALLATION

Drawing	Part number	ORS	NPT (1)	ODS (2)		ODM (2)		For changeover
				Ø [in.]	Ø [mm]	Ø [in.]	Ø [mm]	
(1) (2) 	3036/1010	1.1/4" ORS	1.1/4" NPT	-	-	-	-	3032*/10..ORS
	3036/10M42	1.1/4" ORS	-	-	42	-	-	3032*/10..ORS
	3036/1212	1.1/2" ORS	1.1/2" NPT	-	-	-	-	3032*/12..ORS
	3036/1217	1.1/2" ORS	-	-	54	-	-	3032*/12..ORS

(1) Adapter NPT connection
(2) Adapter ODS connection

SAFETY VALVES

Drawing	Part number	Connections		Orifice section	Discharge coefficient Kd	Set pressure range	PS	TS [C°]	
		IN female	OUT	[mm²]		[bar]	[bar]	min.	max.
	3030/88ORS	1" ORS	1.1/4" G	298	0,83	8 - 50	55	-50	+150
	3030/1010ORS	1.1/4" ORS	1.1/4" G	298	0,83	8 - 50	55		

POLYHEDRA GOGREEN R744 • NATURAL REFRIGERANT ISO 14001

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 CO_2 (R744) filled systems.

Castel can accept no responsibility for any errors or changes in the catalogues, handbooks, brochures and other printed material. Castel reserves the right to make changes and improvements to its products without notice. All trademarks mentioned are the property of their respective owners. The name and Castel logotype are registered trademarks of Castel Srl. All rights reserved.

CASTEL S.r.l. | Via Provinciale, 2-4 20042 Pessano con Bornago (MI) | Tel. +39 02.957021 Fax +39 02.95741317 | info@castel.it castel.it

B01-2026-3032-EN