

CHANGEOVER VALVES 3032-ORS SERIES

FOR REFRIGERATION AND AIR CONDITIONING PLANTS
THAT USE HFC, HFO, HC AND R744 REFRIGERANTS



FUTURE PROOF TECHNOLOGY

Our product is designed to revolutionize maintenance, aiming for a future where safety, simplicity and rapidity are within everyone's reach. With innovative and intuitive solutions, we offer a product that not only reduces installation times, but guarantees maximum reliability, improving operational efficiency and minimizing risks for operators.

Features

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.

Benefits

Changeovers Valves with swivels offer many advantages that make them ideal for any type of installation. Here's why:

- No more orientation problems
- Compact design easy installation
- Easy to dismantle for servicing
- Low cost of installation

Why choose New Changeover Valves with swivel

Changeover Valves 3032-ORS with swivels offer a number of advantages that make them an ideal choice for those who want to combine functionality and practicality in refrigeration and air conditioning systems.

Easy and Quick Installation: One of the most appreciated advantages of Changeover Valves with swivels is their simple and quick installation. Thanks to a 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.

Choosing a Changeover Valve 3032-ORS with swivel means opting for a solution that combines efficiency and ease of installation.









3032/54ORS + 3036/54 + 3039/42



3032/54ORS + 3061/4 ORS + 3036/54

Technical Data

-  **MAXIMUM WORKING PRESSURE**
PS 150 BAR
-  **MINIMUM/MAXIMUM WORKING**
TEMPERATURE TS -40/+150°C
-  **INLET CONNECTIONS FROM 5/8"**
TO 1. 1/4" ORS
-  **OUTLET CONNECTIONS**
FROM 1/4" TO 1" NPT
-  **REFRIGERANTS HFC,**
HFO, HC AND CO₂
-  **CERTIFICATION**
PED-CE AND UL

Available adapters for all installations



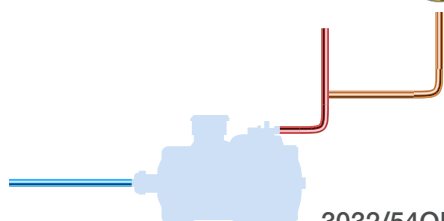
Threaded adapters ORS x NPT for liquid receivers and exchangers installation



3032/54ORS + 3036/54



ORS x ODS/ODM adapters for remote installation



3032/54ORS + 3036/57

**CHANGEOVER VALVES - APPROVED BY UNDERWRITERS LABORATORIES INC.**

| Drawing | Part number | Connections | | PS | MWP | TS [C°] | |
|---------|--------------|------------------|----------------|-------------------|----------------------|---------|------|
| | | IN swivel female | OUT swivelmale | [bar] | [psi] (1) | min. | max. |
| | 3032*/54ORS | 5/8" ORS | 1/2" ORS | 80 (N) 150 (E) | 1015 (N) 2175 (E) | -50 | +150 |
| | 3032*/66ORS | 3/4" ORS | 3/4" ORS | | | | |
| | 3032*/88ORS | 1" ORS | 1" ORS | | | | |
| | 3032*/108ORS | 1.1/4" ORS | 1" ORS | | | | |

(1) According to UL approval

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 |
| | 3061/40RS | 1/2" ORS | 1/2" G | 44,2 | 0,89 | 11 - 60 | 70 | | |
| | 3065/60RS | 3/4" ORS | 1" G | 132,7 | 0,87 | | | | |
| | 3061E/40RS | 1/2" ORS | 1/2" G | 15,9 | 0,9 | 60 - 150 | 165 | | |
| | 3030E/610ORS | 3/4" ORS | 1.1/4" G | 95 | 0,91 | | | | |

COUPLE OF CONNECTIONS FOR ORS CHANGEOVER VALVES SAFETY VALVES

| Drawing | Part number | Connections | | Material | For safety valves |
|---------|-------------|-------------|----------|-----------------------|--|
| | | IN female | OUT | | |
| | 3039/42 | 1/2" ORS | 1/4"NPT | Stainless steel/brass | 3060/23-24; 3061/2C; 3061E/2C |
| | 3039/43 | | 3/8"NPT | | 3060/33-34-36; 3061/3C; 3061E/3C |
| | 3039/44 | | 1/2"NPT | | 3060/45-46; 3061/4C; 3061E/4C |
| | 3039/63 | 3/4" ORS | 3/8"NPT | | 3030E/36C |
| | 3039/64 | | 1/2" NPT | | 3030/44C; 3065/4C; 3030E/46C; 3030E/410C |
| | 3039/66 | | 3/4"NPT | | 3030/66C; 3065/6C; 3030E/610C |
| | 3039/86 | 1" ORS | 1" NPT | | 3030/66C; 3065/6C; 3030E/610C |
| | 3039/88 | | | | 3030/88C |

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] | |
| | 3036/54 | 5/8" ORS | 1/2" | - | - | - | - | 3032*/5...ORS |
| | 3036/5M22 | | - | - | 22 | - | 28 | |
| | 3036/57 | | - | 7/8" | - | 1.1/8" | - | |
| | 3036/64 | 3/4" ORS | 1/2" | - | - | - | - | 3032*/6...ORS |
| | 3036/66 | | 3/4" | - | - | - | - | |
| | 3036/6M28 | | - | - | 28 | - | 35 | |
| | 3036/69 | 1" ORS | - | 1.1/8" | - | 1.3/8" | - | 3032*/8...ORS |
| | 3036/88 | | 1" | - | - | - | - | |
| | 3036/8M35 | | - | - | 35 | - | 42 | |
| | 3036/1010 | 1.1/4" ORS | 1.1/4" | - | - | - | - | 3032*/10...ORS |
| | 3036/10M42 | | - | - | 42 | - | - | |

P O L Y H E D R A**G O O G R E E N**
R 7 4 4 • N A T U R A L R E F R I G E R A N T

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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