

## VALVES FOR AIR PROCESS

GUARANTEED RELIABILITY, RESISTANCE AND SEALING  
IN EVERY RIMOR VALVES SERIES



WE CREATE AIR, PERFORMANCE, SILENCE

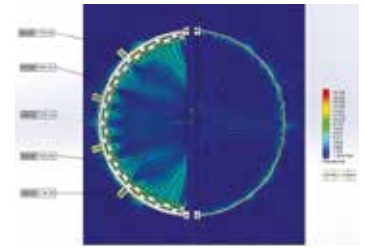
## VALVES FEATURES

Valves are available in standard or custom sizes and a wide range of operative temperature, materials, tightness level and sealing capacity.

### GENERAL FEATURES:

- Sizes up to 1500 mm of diameter and special realisation on customer's request
- Profiles cut with high precision lazer
- Maintenance intervention reduced to minimum
- Products realised following the Normative FCI 70-2
- MIG or TIG welding, based on the utilization type
- Finishing available: pickling, electropolishing, sandblasting, satin finishing and shot

In addition, Rimor provides to thermal-fluid dynamics and structural simulations for the valves. It has been collected experiences about valve regulation, seal and torque.

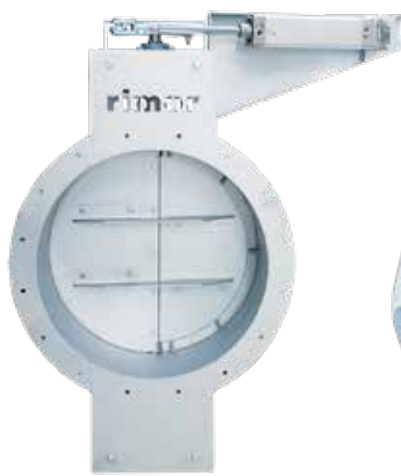


in the picture, the thermal-fluid dynamic analysis and the study of a round valve seal.

## RIMOR VALVES MODELS



**ROUND MONO SERIES**



**ROUND DOUBLE**



**ROUND ATEX SERIES**



**DIVERTER**



**INVERTER**

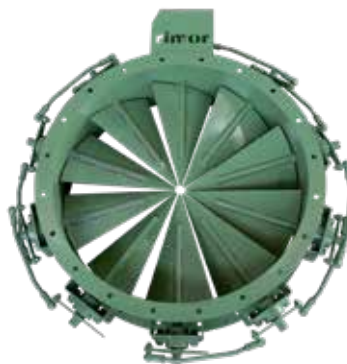


**CLAPÈ**

**SQUARE  
SIMPLY AND  
HEAVY**



**DAPÒ**



**KNIFE  
ROUND AND SQUARE**



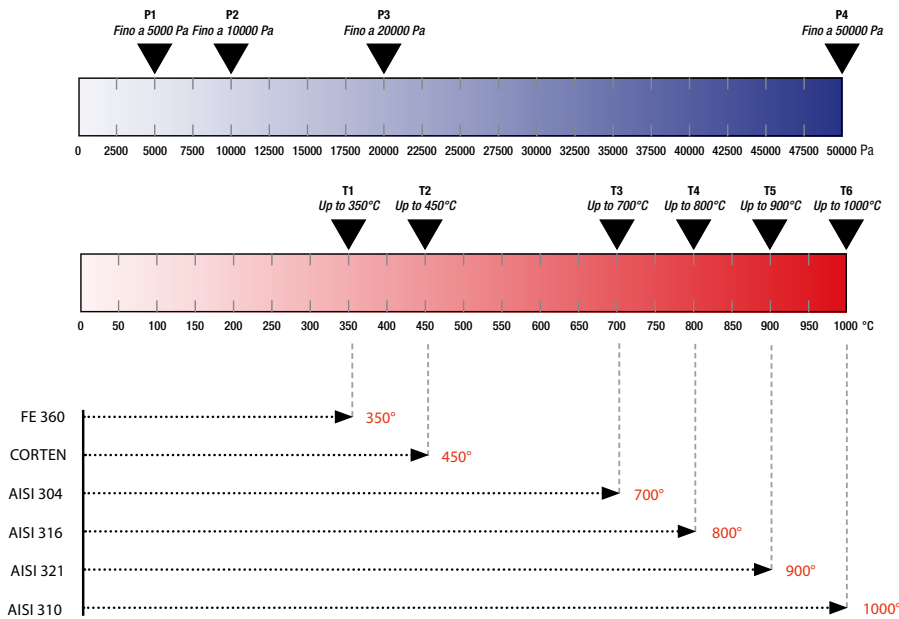
## SEAL CLASSES

Based on the flat/seats seal requirements and on the operative conditions, Rimor fulfil valves with the following seal classes: (flat-blue, seats-grey)



## TEMPERATURE AND PRESSURE CLASSES

Dimensional and material planning choices are based on the valve's temperature and pressure operative conditions. Below there are different temperatures and pressures classes with the related values.



**PRESSURE CLASSES AVAILABLE**

**TEMPERATURES CLASSES AVAILABLE WITH THE POSSIBLE MATERIALS USES**

**MATERIALS USED:**  
FE 360, CORTEN, AISI 304, AISI 316, AISI 321, AISI 310, MANGANESE, REFRACTORY.

## MOVEMENT TYPES

Valve's movement can be reached through a manual, electric or pneumatic system:



## CONTROL AND FEEDBACK TYPES

The valve can give the feedback signal with 0-10V o 4-20 mA. Based on the chosen actuator, there are different ways to control the valve:

<p><b>ELECTRIC CONTROL:</b></p> <ul style="list-style-type: none"> <li>• 3 lines control ON/OFF</li> <li>• 0-10V o 4-20 mA modulating</li> </ul>	<p><b>PNEUMATIC CONTROL:</b></p> <ul style="list-style-type: none"> <li>• comando a 3/5 vie ON/OFF</li> <li>• modulante 0-10V o 4-20 mA</li> </ul> <p><b>Operation time 90°: 1-12s</b></p>
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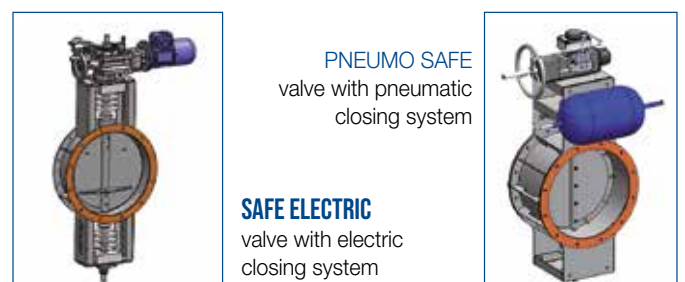
## END-STROKE



## SEAL SYSTEMS



## SECURITY AND EMERGENCY SYSTEMS



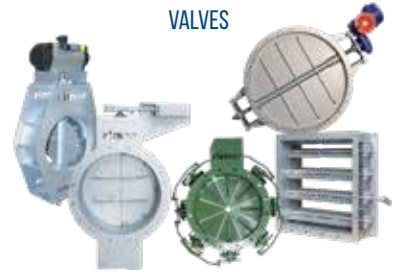
INDUSTRIAL FAN AND FURNACE AGITATORS



SOUNDPROOF FANS ROTOCABE®



VALVES



AIR FILTERING



SOUNDPROOF CABINE



SANDBLASTING, METALIZATION AND PAINTING PLANTS



RECUBE SYSTEM®, ENERGY RECOVERY UNIT FOR VENTILATION AND HEATING



UNCONVENTIONAL AIR DESIGN

- SECTOR: AUTOMOTIVE TESTING; CLIMATIC CHAMBERS, TESTING SOLUTIONS
- SECTOR: CEMENTO LATERIZI
- SECTOR: MINING AND TUNNEL VENTILATION
- SECTOR: PRINTING & CONVERTING
- SECTOR: HIGH TEMPERATURE AND FURNACE FANS
- SECTOR: TRIM SUCTION AND SHREDDING OF IN-LINE PLASTIC FILMS
- SECTOR: GLASS MANUFACTURING
- SECTOR: WASTE / ENERGY / EMISSION
- SECTOR: BIOMASS

TRANSPORT AND TRIM SHREDDING



CONDITIONING AND UMIDITY REMOVAL UNIT



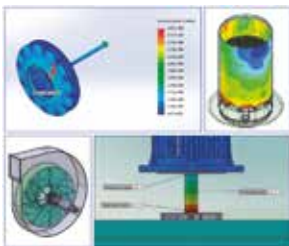
PLANTS AND MAINTENANCE



POWERBOARD



ENGINEERING AND SIMULATIONS



DISTRIBUTION AND CONSULTING



AUTOMOTIVE TESTING



RIMOR SUPPORTS YOU FROM IDEA TO THE FINAL PRODUCT



Member of CISO Federation



MAIN INDUSTRIES

- AUTOMOTIVE TESTING
- CHEMICAL & PHARMACEUTICAL
- ENERGY / COMPOST / SYNGAS / BIOMASS
- HIGH TEMPERATURE & FURNACE FANS
- GLASS TREATMENT
- THERMAL TREATMENT
- OIL & GAS
- PRINTING & CONVERTING
- TRIMS SUCTION & SHREDDING

ENGINEERING - PRODUCTION - DISTRIBUTION