Industrial anti-corrosion solutions
Committed to your satisfaction

A solution for every customer...
We’ve built up a relationship of confidence with our customers, based on permanent contact and a commitment to provide solutions to their problems, even the most specific.

irrespective of their activity sector
SAFI is active in the chemical, environment, logistics, crop spraying, water treatment and mining sectors. We also supply the most demanding industries, such as the aerospace, naval and nuclear sectors.

Quality and reliability
SAFI tests 100% of the products leaving its production lines. For you, this means reliability, less maintenance and shutdown time for your processes.

Our expertise:
consulting and new developments

Co-design: the user is our first priority
Our primary objective is to provide the appropriate technical solutions for our customers. For this reason, in the field, our design specialists work closely with the end users, to ensure that their requirements are properly defined.

New technical development: R&D is the key
We consider that all the experiences we had with customers will help us to participate to your performance. Our engineers and technicians were trained in industries such as the automotive, mechanical engineering and plastics industries, and they contribute, everyday, to our ongoing progress action.
The SAFI R&D department provides new technical developments for process optimisation.

A dedicated design department
Our design department works very closely with those of our customers. Using the most sophisticated CAD systems, the department confirms the appropriate technical options and hardware reliability very early in the production cycle.

Our strengths:
flexibility and proximity

Manufacturer flexibility
SAFI is currently one of the few plastic valves manufacturers to offer manufacturing to customer requirements. SAFI offers a range of more than 7000 items and a production facility that can produce small or large quantities, so that the requirements and specific needs of all customers can be met.

Proximity of the distributor
Through our sales force and our distribution network, the SAFI brand is present on all continents. Our sales staff are in permanent contact with our customers, to monitor their projects and provide the technical advice that they need.

SAFI brand:
“Our experience dedicated to your performance”

For almost 50 years, SAFI has been developing, manufacturing and marketing anti-corrosion valves in thermo-plastic materials, specifically dedicated to industrial applications.

Ball valves, butterfly valves and diaphragm valves, in materials that resist corrosive, dangerous or toxic fluids (GRPP, PVDF, UPVC, CPVC, PE, PP, PP ATEX or PVDF ATEX)...

Today, this broad range of products and materials has made SAFI the French reference for plastic industrial taps and valves.

Customers that place their confidence in us:

Chemical: Arkema, Solvay, BASF, Rhodia, Arcelor Mittal...

Fluids storage and transport: Linpac Allibert, Promens, Brenntag...

Energy/mining: Areva, Kazatomprom, EDF, Honeywell, Codelco, Outotec...

Crop spraying: Kuhn Blanchard, John Deere, Exel Industries group...

Naval and Yachting industry: Sunseeker, Royal Navy, Palmer Johnson...

Water treatment: Degrémont, Veolia, Ondéo...
Our range

Valves
Non-return valves
Strainers
Accessories
**Ball valves**

**in GRPP (Glass Reinforced PolyPropylene)**

- Flanged compact
  - DN15 (1/2") to DN50 (2")
- DN80 (3") and DN100 (4")
- DN150 (6") FULL BORE

**in PVDF (PolyVinylidene Fluoride)**

- Flanged compact
  - DN15 (1/2") to DN50 (2")
- DN80 (3") and DN100 (4")
- DN150 (6") FULL BORE

**in UPVC (PolyVinyl Chloride)**

- Double Union 1/2" and 3/4"

**SPECIFICATIONS:**

| Pressure: | PN10 |
| Temperature: | 0°C to +60°C |
| Dimensions: |
| 2-way: | DN15 to DN100 (1/2" to 4") |
| Fittings: |
| Flanges in compliance with standards | DIN PN10, ANSI 150, BS10/Table D |
| Removable union nuts: | for bonding, threaded |
| Seat: | PTFE |
| O-ring seals: | EPDM, FKM |
| Options: | Double union: Electric or pneumatic |

**SPECIFICATIONS:**

| Pressure: | PN10 |
| Temperature: | -20°C to +120°C |
| Dimensions: |
| 2-way: | DN15 to DN150 (1/2" to 6") |
| 4-way: | DN15 to DN100 (1/2" to 4") |
| 5-way: | DN50 (2") |
| Fittings: |
| Flanges in compliance with standards | DIN PN10, ANSI 150, BS10/Table D |
| Removable union nuts: | for bonding, end-to-end welding, tapped, threaded |
| Seat: | EPDM, FKM, FEP/FFKM |
| O-ring seals: | EPDM, FKM, FEP/FFKM |
| Options: | Some flanged valves are available in PP ATEX. Electric or pneumatic actuated |

**SPECIFICATIONS:**

| Pressure: | PN10 |
| Temperature: | -10°C to +100°C |
| Dimensions: |
| 2-way: | DN15 to DN100 (1/2" to 4") |
| 3-way: | DN50 (2") |
| Fittings: |
| Flanges in compliance with standards | DIN PN10, ANSI 150, BS10/Table D |
| Removable union nuts: | for bonding, welding, end-to-end welding, tapped, threaded |
| Seat: | EPDM, FKM, FEP/FFKM |
| O-ring seals: | EPDM, FKM, FEP/FFKM |
| Options: | Some flanged valves are available in PVDF ATEX. Electric or pneumatic actuated |

**SPECIFICATIONS:**

| Pressure: | PN10 |
| Temperature: | -20°C to +120°C |
| Dimensions: |
| 2-way: | DN15 to DN150 (1/2" to 6") |
| 3-way: | DN50 (2") |
| Fittings: |
| Flanges in compliance with standards | DIN PN10, ANSI 150, BS10/Table D |
| Removable union nuts: | Female for welding, end-to-end welding, tapped, threaded |
| Seat: | PTFE |
| O-ring seals: | EPDM, FKM, FEP/FFKM |
| Options: | Some flanged valves are available in PVDF ATEX. Electric or pneumatic actuated |
**Diaphragm valves**

All our diaphragm valves may be actuated, up to DN65

*in PPH (Polypropylene)*

For welding
DN15 (1/2") to DN65 (2 1/2")

Flange fitting
DN15 (1/2") to DN65 (2 1/2")

Flange fitting from DN80

**SPECIFICATIONS:**

- **Pressure:** PN10*
- **Temperature:** 0°C to +90°C
- **Dimensions:** DN15 to DN250 (1/2" to 10")
- **Fittings:** Flanges in compliance with standards ... DIN PN10, ANSI 150
- **End pieces:** Male for push-on polyfusion
- **Diaphragm:** EPDM, FKM, PTFE

*up to DN65 (2 1/2")

*in PVDF (PolyVinylidene Fluoride)*

For welding
DN15 (1/2") to DN65 (2 1/2")

Flange fitting
DN15 (1/2") to DN65 (2 1/2")

Flange fitting from DN80

**SPECIFICATIONS:**

- **Pressure:** PN10*
- **Temperature:** 0°C to +120°C
- **Dimensions:** DN15 to DN250 (1/2" to 10")
- **Fittings:** Flanges in compliance with standards ... DIN PN10, ANSI 150
- **End pieces:** Male for push-on polyfusion
- **Diaphragm:** EPDM, FKM, PTFE

*in UPVC (PolyVinyl Chloride)*

For bonding
DN15 (1/2") to DN65 (2 1/2")

Flange fitting
DN15 (1/2") to DN65 (2 1/2")

Flange fitting from DN80

**SPECIFICATIONS:**

- **Pressure:** PN10*
- **Temperature:** 0°C to +60°C
- **Dimensions:** DN15 to DN250 (1/2" to 10")
- **Fittings:** Flanges in compliance with standards ... DIN PN10, ANSI 150
- **End pieces:** Male for bonding
- **Diaphragm:** EPDM, FKM, PTFE

*in CPVC (PolyVinyl Chloride - concentrated)*

For bonding
DN15 (1/2") to DN65 (2 1/2")

Flange fitting
DN15 (1/2") to DN65 (2 1/2")

Flange fitting from DN80

**SPECIFICATIONS:**

- **Pressure:** PN10*
- **Temperature:** 0°C to +90°C
- **Dimensions:** DN50 to DN600 (2" to 24")
- **Fittings:** Flanges in compliance with standards ... DIN PN10, ANSI 150
- **End pieces:** Male for bonding
- **Diaphragm:** EPDM, FKM

*up to DN150 (6")

**Butterfly valves**

All our butterfly valves may be actuated

*in PPH (Polypropylene)*

**SPECIFICATIONS:**

- **Pressure:** PN10*
- **Temperature:** 0°C to +90°C
- **Dimensions:** DN50 to DN600 (2" to 24")
- **Fittings:** Flanges in compliance with standards ... DIN PN10, ANSI 150
- **Control:** Manual by lever from DN50 to DN150. By handwheel gearbox from DN200 to DN600
- **Seals:** EPDM, FKM

*in PVDF (PolyVinylidene Fluoride)*

**SPECIFICATIONS:**

- **Pressure:** PN10*
- **Temperature:** -20°C to +120°C
- **Dimensions:** DN50 to DN600 (2" to 24")
- **Fittings:** Flanges in compliance with standards ... DIN PN10, ANSI 150
- **Control:** Manual by lever from DN50 to DN150. By handwheel gearbox from DN200 to DN600
- **Seals:** EPDM, FKM

*in UPVC (PolyVinyl Chloride)*

**SPECIFICATIONS:**

- **Pressure:** PN10*
- **Temperature:** -20°C to +90°C
- **Dimensions:** DN50 to DN600 (2" to 24")
- **Fittings:** Flanges in compliance with standards ... DIN PN10, ANSI 150
- **Control:** Manual by lever from DN50 to DN150. By handwheel gearbox from DN200 to DN600
- **Seals:** EPDM, FKM

*up to DN150 (6")

*up to DN65 (2 1/2")
**Actuators**

**Pneumatic actuators**

**SPECIFICATIONS:**
- Vane or rack & pinion piston
- Double-acting or single-acting with safety position: normally open or normally closed by lack of air.
- Unit with mechanical or electro-magnetic limit switches
- Regulation positioning with electrical signal 4-20mA or pneumatic signal 0.2 - 1 bar.
- Exists in ATEX

**Electrical actuators**

**SPECIFICATIONS:**
- Voltage 12, 24, 48,110, 220 or 380 V AC single phase or three phase
- Voltage 12, 24 or 48 V DC
- Positioner with signal 4-20mA (option).

**Non-return valves**

**Flap, ball or piston**

Piston with spring (SS or hastelloy) available in GRPP or PVDF

<table>
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<tr>
<th>DN15 (1/2&quot;) to DN20 (3/4&quot;)</th>
<th>DN25 (1&quot;) to DN50 (2&quot;)</th>
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Flap, full port, flange fitting, PPH or PVDF DN25 to DN200

Flap in UPVC, PPH or PVDF (installation between flanges) DN50 to DN450

Double union ball check valve available in PPH or UPVC (vertical fitting only) DN15 (1/2") to DN100 (4")

**CHARACTERISTICS of the various models:**

**Models:**
- Flap Fittings / Sandwich installation between:
  - Flanges in compliance with standards ........... DIN PN10, ANSI 150
- Ball for vertical installation
- Piston for multi-position installation

**Materials:**
- UPVC-PPH-PVDF-GRPP depending on model
- O-ring seals: ................. EPDM, FKM

**Accessories**

**Sight glasses**

With flanges DIN PN10 and ANSI 150

- available in GRPP or PVDF DN15 and 20
- available in PPH or PVDF DN25 to 65

- available in PPH or PVDF DN15 and 20
- available in GRPP or PVDF DN150

**Safety shields**

For flanges and for valves, against corrosive projections

**Quick unions in GRPP**

DN150 to DN350 in PPH (6” to 72”) ISO PLATE

DN400 to DN1800 in PPH (6” to 72”) ISO PLATE

**Ventilation dampers**

**IBC & Tank accessories**

**Anti-corrosion strainers**

**Special**

PPH, PVDF DN125 to DN200 (5” to 8”)

Sample pick-off