VALVES
FLOW MANAGEMENT SOLUTIONS Division
Standard Service | Critical Application | High Quality VALVES
DIN/EN Casted valves

- **Type:** Gate, Globe, Check, Butterfly, Ball, Bellow, Self regulated valves, (+).
- **Sizes:** From DN 15 to DN 1200.
- **Pressure:** From PN10 to PN64.
- **Ends:** Flanged, welded, threaded, wafer, lug, etc.
- **Materials:** Cast iron, stainless steel, brass, (+).
- **Optional:** Soft sealing valves (EPDM, NBR, etc.).
- **Applications:** Water treatment and filtration, power generation, industry, marine, energy, etc.

ANSI Casted valves

- **Type:** Gate, Globe, Check, Butterfly, Ball, Bellow (+).
- **Sizes:** From ½” to 72”.
- **Class:** From 150# to 2,500#.
- **Ends:** Flanged, welded and threaded.
- **Materials:** Carbon steel, stainless steel, alloy steel, (+).
- **Applications:** Chemical, petro-chemical, refining, oil & gas, water, power generation, marine, etc.

Forged valves

- **Type:** Gate, Globe and Check, Bellow.
- **Sizes:** From ¼” to 8”.
- **Class:** From 800# to 4,500#.
- **Construction:** ASME B16.34, BS 5352, API 602.
- **Ends:** Flanged, socket weld, butt weld, threaded.
- **Materials:** Carbon steel, stainless steel, alloy steel, (+).
- **Special options:** Fully welded, extended body, extended bonnet, (+).
- **Applications:** Petroleum refining and production, offshore, oil & gas, power industry, fertilizer, chemical and desalination, etc.

Butterfly valves

- **Types:** Centred and single offset.
- **Sizes:** From 1 ¼” to 138”.
  from DN 32 to DN 3000.
- **Class:** From 150# to 300#.
  from PN 6 to PN 100.
- **Ends:** Wafer, lug, flanged.
- **Materials:** Carbon steel, stainless steel and other alloys, (+).

(+) Other options upon request
High Performance Butterfly valves

- Types: Double and triple eccentricity.
- Sizes: From 2” to 160”.
  from DN50 to DN2000.
- Class: From 150# to 2.500#.
  from PN10 to PN200.
- Construction: Metal to metal closure, zero leakage, fire safe.
- Ends: Wafer, lug, flanged and welded, (+).
- Materials: Carbon steel, stainless steel, alloy steel, duplex, inconel, hastelloy, etc.

Trunnion Mounted Ball valves

- Type: Side entry and Top entry.
- Sizes: From 1” to 60”.
  from DN50 to DN200.
- Class: From 150# to 2.500#.
  from PN6 to PN400.
- Construction: ASME B16.34, API 6D, ISO 17292;
  soft and metal to metal seats; casted and forged body.
- Ends: Flanged, welded, (+).
- Materials: Carbon steel, stainless steel, alloy steel, bronze, duplex, superduplex, etc.

Floating Ball valves

- Sizes: From ½” to 8”.
  from DN15 to DN300.
- Class: From 150# to 600#.
  from PN16 to PN40.
- Construction: ASME B16.34, API 6D, API 608, BS 5351;
  soft and metal-to-metal seats; forged and casted body.
- Ends: Flanged, welded and threaded.
- Materials: Carbon steel, stainless steel, alloy steel, bronze, brass, duplex, superduplex, etc.

Knife Gate valves

- Sizes: From 2” to 36”.
  from DN50 DN1200.
- Pressure: From 150# to 900#
  from PN6 to PN100
- Closure: Soft and metal to metal.
- Materials: Cast iron, carbon steel, stainless steel, (+).
- Applications: Water treatment services, mining, solid particles services, paper industry and other industrial processes.

Dual Plate Check valves

- Sizes: From 2” to 80”.
  from DN40 to DN1200.
- Class: From 150# to 2.500#.
  from PN10 to PN250.
- Construction: Soft seat and metal to metal seat, casted and forged body.
- Ends: Wafer, lug, hub, flanged and welded.
**Nozzle Check valves**

- **Sizes:** From 1” to 88”.
  - From DN25 to DN2200.
- **Class:** From 150# to 2.500#.
  - From PN16 to PN400.
- **Ends:** Wafer, lug, hub, flanged, welded and threaded.
- **Construction:** Non-slam, soft and metal to metal seats, fire safe, forged and casted body.
- **Materials:** Carbon steel, stainless steel, cast iron, (+).

**Safety / Pressure Relief valves**

- **Sizes:** From ½” to 20”.
  - From DN15 to DN500.
- **Class:** From 150# to 2.500#.
  - From PN16 to PN200.
- **Ends:** Flanged, welded, threaded.
- **Construction:** Forged and casted body.
- **Materials:** Carbon steel, stainless steel, cast iron, (+).
- **Applications:** Steam, gases, vapours and liquids. Cryogenic services.
- **Options:** Open bonnet, soft seat, bellow, lifting device, sealed packing lever, etc.

**Plug valves**

- **Type:** Lubricated and non-lubricated plug valves.
- **Sizes:** From ½” to 36”.
  - From DN15 to DN500.
- **Class:** From 150# to 2.500#.
  - From PN16 to PN40.
- **Ends:** Flanged, welded and threaded.
- **Materials:** Carbon steel, stainless steel, alloy steel, cast iron and other alloys, duplex, superduplex, (+).

**Double block & bleed (DBB) plug valves**

- **Type:** Double expanding plug valve.
- **Sizes:** From 2” to 36”.
- **Class:** From 150# to 600#.
- **Construction:** Full or reduced bore, fire safe. It allows in-line maintenance.
- **Zero leakage.**
- **Ends:** Flanged.
- **Materials:** Carbon steel and alloy steel, (+).
- **This valve has emerged as the industry standard for movement and storage of petroleum products in refineries, tank farms and terminals.**

**Diaphragm valves**

- **Size:** From ¼” to 12”.
  - From DN 15 to DN 300.
- **Pressure:** max. permissible pressure 16 bar.
- **Temperature:** max. permissible temperature 160ºC.
- **Ends:** Flanges, welded BW and SW, the screwed.
- **Materials:** Cast Iron and Ductile Iron, Stainless Steel, Bronze, (+).
- **Lining:** Ebonite, Butyl, PTFE/TFM, Polyamide, Halar(ECTFE)
- **Diaphragm:** EPDM, Nitrile, Butyl, TFM, CSM(Viton)
- **Applications:** Chemical Industry, mining, water treatments, Paper and cellulose industry, Sugar Industry, Acids and Alkaline Fluids, Chlorine Processes, etc.

(+) Other options upon request
Pinch valves

- **Sizes:** From 2” to 20”.
  - from DN50 to DN500.
- **Pressure:** From 10 Bar to 200 Bar.
- **Construction:** ASTM A536 60-40-18, BS2789 420-12, SABS936 SG42, DIN1693 GGG40. Open and close frame.
- **Temperature:** Up to 120°C.
- **Operation:** Hand wheel, gearbox and actuator (electric, pneumatic or hydraulic).
- **Applications:** These valves are designed to handle abrasive and corrosive fluids, in high and low pressure, such as minerals, ash, pulp, chemical products, etc.

Control valves

- **Type:** Globe control valve, (+).
- **Sizes:** From ½” to 42”.
  - from DN15 to DN400.
- **Class:** From 150# to 4.500#.
  - from PN16 to PN200.
- **Construction:** Casted and forged body.
- **Materials:** Carbon steel, stainless steel, alloy steel, cast iron, duplex, special alloys, (+).

On-Off valves

- **Type:** Ball, Gate, Globe, Butterfly, Plug, Knife, …
- **Sizes:** From ½” to 80”.
  - from DN15 to DN2000.
- **Class:** From 150# to 4.500#.
  - from PN16 to PN200.
- **Construction:** Casted and forged body.
- **Actuators:** Multiturn and quarter turn electric actuators, pneumatic actuators (rack & pinion, scotch yoke), hydraulic actuators, gas over oil actuators.
- **Extras:** Additional equipments can be supplied as actuator passive fire protection, local control panel, air tank and so on.
- **Materials:** Carbon steel, stainless steel, alloy steel, cast iron, duplex, superduplex, exotic alloys, (+).

Lined valves

- **Types:** Ball, Plug, Check, Butterfly.
- **Sizes:** From ½” to 12”.
  - from DN10 to DN500.
- **Class:** From 150# to 300#.
  - from PN16 to PN25.
- **Construction:** Internally lined valves with PFA, FEP, PP, PTFE, etc. Internal line can cover all wetted parts of the valve.
- **Advantages:** Lower operating torques, zero leakage, corrosion resistance, prevention of fluid contamination.
- **Applications:** Paper, cosmetics, pharmaceutical, chemical industries, etc.

(+) Other options upon request
Bronze and Brass valves

- **Type:** Ball, Gate, Globe, Check, Butterfly, Plug, Needle, Filters, ...
- **Sizes:** From ½" to 24".
  - from DN8 to DN600.
- **Class:** From 150# to 300#.
  - from PN10 to PN40.
- ** Ends:** Flanged, threaded, wafer, lug, welded.
- **Applications:** Water distribution, cooling and heating, wastewater, sanitary, compressed air, etc.

Thermoplastic valves

- **Type:** Ball, Diaphragm, Butterfly, Check, Vent and Bleed, Pressure regulation, Filters, Angle valves, etc.
- **Sizes:** From DN10 to DN300.
- **Class:** From PN8 to PN16.
- ** Ends:** Flanged, welded, threaded, lug, wafer.
- **Materials:** PVC, polypropylene, ABS, PVDF, etc.
- **Applications:** Water works and sea water, industry, chemical processes, mining, gas distribution, etc.

Pressure Seal valves

- **Type:** Gate, Globe and Check.
- **Sizes:** From 2" to 48".
- **Class:** From 900# to 2,500#.
- **Design:** ASME B16.34, EN 12516, etc.
- ** Ends:** Flanged and butt weld.
- **Materials:** Carbon steel, stainless steel, alloy steel, duplex, super duplex, exotic alloys, (+).
- **Recommended for high pressure applications.**

Valves for HF Alkylation

- **Type:** Gate, Globe and Check.
- **Sizes:** From ½" to 36".
- **Class:** From 150# to 800#.
- **Construction:** API 600 and 602, fire safe design, low emissions according to API 622 and ISO 15848, acid detecting paint.
- **Materials:** Carbon steel and monel, forged and casted.

Instrumentation valves and Manifolds

- **Type:** Ball, Needle, Relief, Check, Plug, Manifolds, etc.
- **Sizes:** From 1/8" to 2".
- **Pressure:** From 1000 psi to 60,000 psi.
- ** Ends:** Threaded, flanged, quick connections, welded.
- **Materials:** Stainless steel.

(+) Other options upon request
Cryogenic valves

- **Type:** Ball, Gate, Globe, Check, Butterfly, Control, etc.
- **Size:** From 1” to 48”.
  from DN15 to DN500.
- **Class:** From 150# to 900#.
  from PN16 to PN40.
- **Temperature:** From -196°C to +200°C
- **Ends:** Flanged, welded, (+).
- **Materials:** Stainless steel, (+).
- **Applications:** Very low temperature services, cryogenic, LNG, etc.

OTHER PRODUCTS OF FLOW MANAGEMENT SOLUTIONS Division

Filters & Filtration Products

- **Membrane**
- **Cartridge/Bag**
- **Basket**
  - Self-clean
  - Other
    - Sand Filters
    - Centrifugal separators
    - Hydraulics
  - Dust treatment
  - Air treatment
  - Oil mist separators
  - Other
    - Pneumatics
    - Gas transfer

For further information see our catalogue of Filters F01-16.

(+ Other options upon request)
Calle Camino del Olivar, 2 (Esquina Calle México)
28806 Alcalá de Henares, Madrid (SPAIN)
Tel: (+34) 91 887 87 00 - Fax: (+34) 91 887 87 33
info@grupocunado.com - www.grupocunado.com

SPAIN
ANDALUCÍA: SEVILLA, HUELVA & ALGECIRAS (+34) 955.63.06.12 - andalucia@cunado.com
ARAGÓN: ZARAGOZA (+34) 976.18.52.58 - aragon@cunado.com
CANARIAS: LAS PALMAS & TENERIFE (+34) 928.70.05.00 - canarias@cunado.com
CASTILLA LA MANCHA: PUERTOLLANO (+34) 926.46.00.55 - clm@cunado.com
CASTILLA Y LEÓN: VALLADOLID (+34) 983.52.86.00 - ventascastillaleon@cunado.com
CATALUÑA: BARCELONA, GERONA & TARRAGONA (+34) 93.575.24.24 - cataluna@cunado.com
GALICIA: VIGO (+34) 986.34.26.06 - galicia@cunado.com
LEVANTE: VALENCIA & CARTAGENA (+34) 96.181.92.00 - levante@cunado.com
MADRID: (+34) 91.887.87.00 - madrid@cunado.com
NORTH: BILBAO & GIJÓN (+34) 94.453.31.54 - norte@cunado.com

INTERNATIONAL
CTA, LDA. (PORTUGAL): (+351) 217.995.280 - info@cta.pt
CUINTER (CHILE): (+56) 2.2787.0300 - mail@cunado.cl
CUÑADO ASIA CORPORATION (CHINA): (+86) 21.2024.8130 - info@cunadoasia.com
CUÑADO BOLIVIA: (+591) 3.3110683 - bolivia@grupocunado.com
CUÑADO BORU (TURKEY): (+90) 262.37.37.014 - info.turquia@grupocunado.com
CUÑADO CANADA: info.canada@grupocunado.com
CUÑADO COLOMBIA: (+51) 320.532.2498 - info.colombia@grupocunado.com
CUÑADO DUBAI (UAE): info.dubai@grupocunado.com
CUÑADO MEXICO: (+52) 55.5254.04.05 - cumex@prodigy.net.mx
CUPERSA (PERU): (+51) 141.662.00 - info@cupersa.pe
CUVENSA (VENEZUELA): (+58) 241.871.75.06 - finanzas@cuvensa.com
FLABOFORM GMBH (GERMANY): (+49) 7254 9271 0 - info@flaboform.de
ITF, INC. (USA): (+1) 713.952.4111 - itfinc@cunadousa.com
OMEGA INDUSTRIAL (USA): (+1) 225.749.9808 - info@omega-industrial.com
RAGENSA (PERU): (+51) 141.662.00 - info@cupersa.pe