

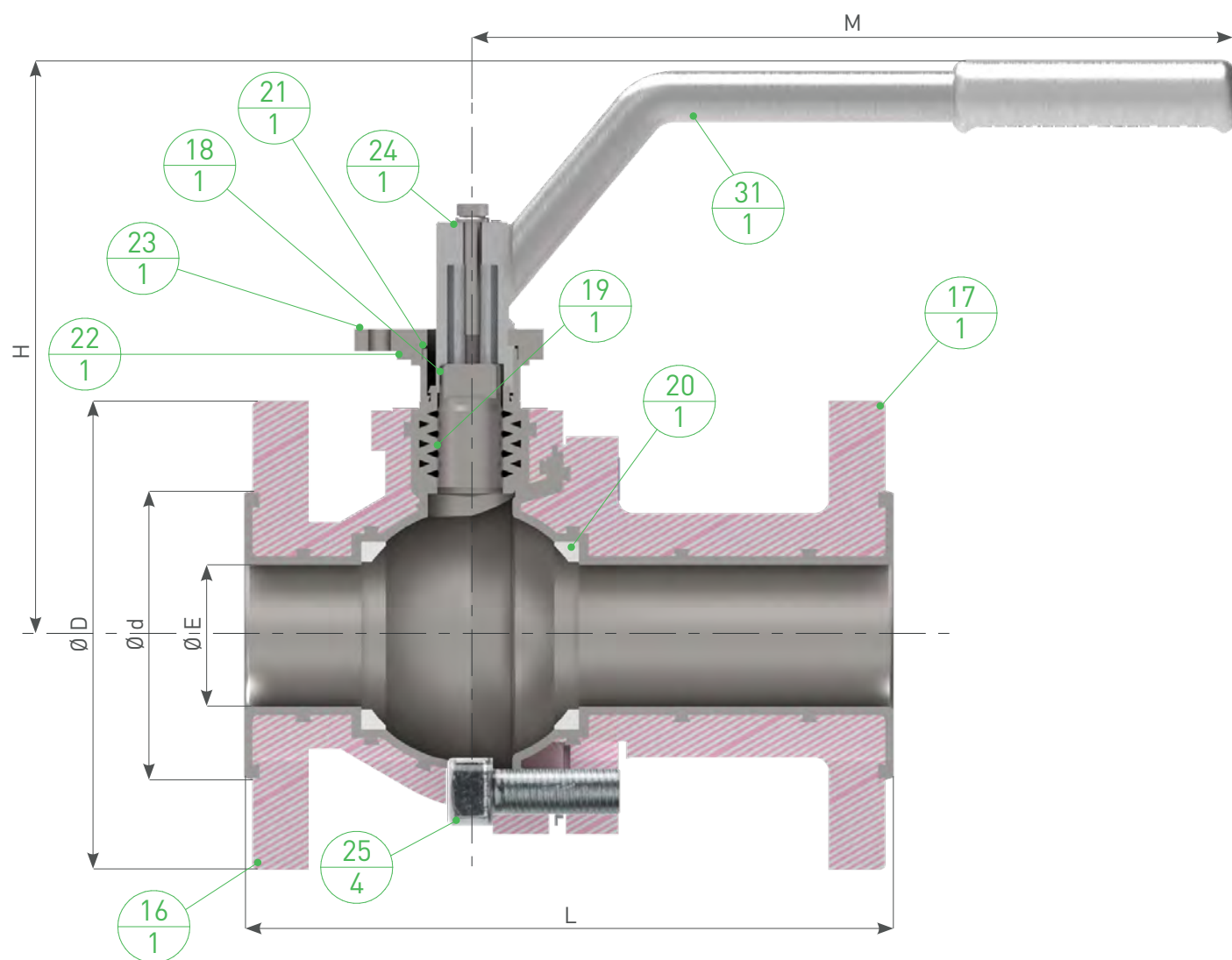
ALFA SERIES 7

PN 10-16/ANSI 150



ALFA 74 ANSI 150

Split body ball valve - Full bore



* Predisposed for actuator mounting: Actuator connection DIN 3337 ISO 5211. Alternative available for valve in stainless steel
Predisposta per montaggio attuatore: Attuatore connection DIN 3337 ISO 5211. Alternativa disponibile per valvola in acciaio inox

ALFA 74

ANSI 150

Standard valve materials / Materiali costruzione valvola standard

	PART NAME PARTICOLARE	Q.TY Q.TA'	MATERIALS MATERIALI
16	body / corpo	1	ASTM A216 WCB + PFA
17	closure / chiusura	1	ASTM A216 WCB + PFA
18	ball* - stem / sfera* - stelo	1	Cd4MCU / PFA
19	bellows seal / guarnizione a soffiello	1	P.T.F.E.
20	seats / sedi	2	P.T.F.E.
21	stem packing / bussola	1	STAINLESS STEEL
22	spring washer / molla a tazza	1	STAINLESS STEEL
23	stop device / dispositivo di arresto	1	SPRING STEEL
24	washer / rondella	1	STAINLESS STEEL
25	screw / vite	4	STAINLESS STEEL
31	lever / leva	1	STAINLESS STEEL

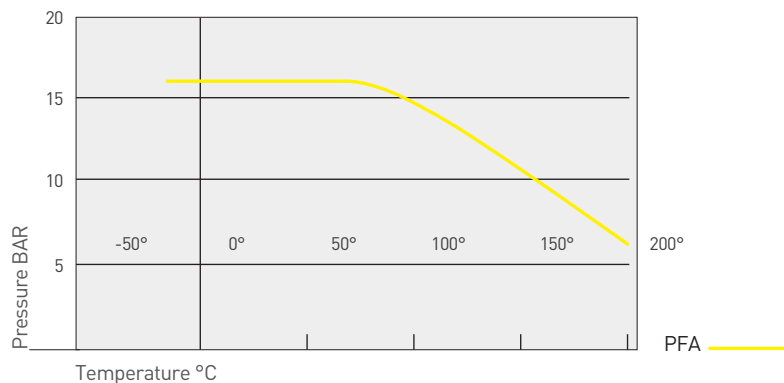
* Ceramic ball available upon request / Sfera in ceramica disponibile su richiesta

DIMENSIONS / DIMENSIONI

DN	ø"	øE	øD	ød	H	L	M	ISO 5211	Kg
15	½"	15	88,9	42	126	130	190	F05	5.0
20	¾"	20	100	51	126	150	190	F05	5.3
25	1"	25	105	60	126	127	190	F05	6.0
40	1 ½"	40	115	88	200	165	275	F07	11.0
50	2"	50	150	100	200	178	275	F07	13.0
80	3"	80	165	130	260	203	300	F10	32.0
100	4"	100	200	150	270	229	300	F10	48.0
150	6"	150	220	210	*	267	300	F12	86.0
200	8"	200	343	250	*	457	*	F12	165.0

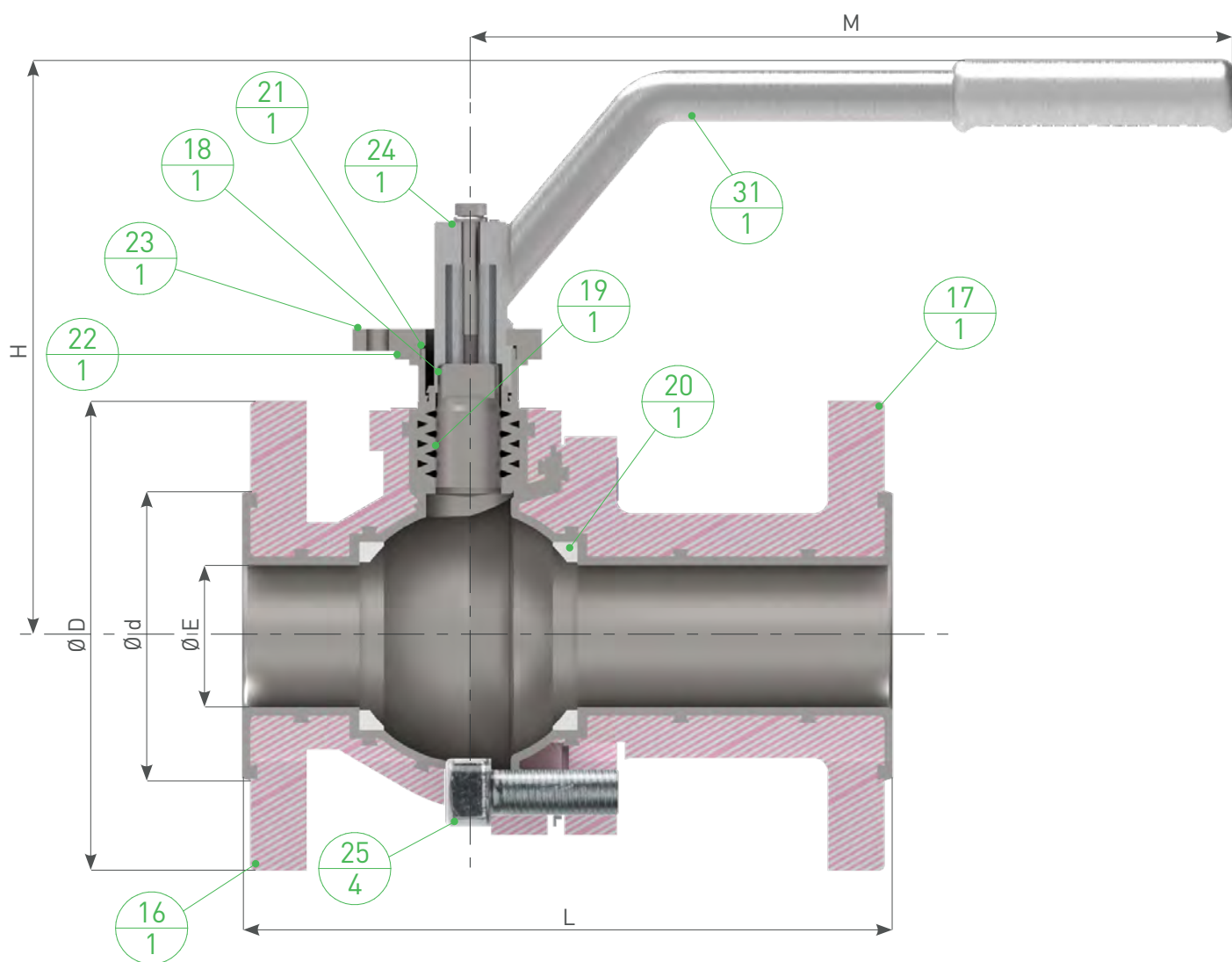
* Gearbox recommended / Suggestito l'uso del riduttore

(P, T) DIAGRAM / DIAGRAMMA (P, T)



ALFA 78 PN 10-16

Split body ball valve - Full bore



* Predisposed for actuator mounting: Actuator connection DIN 3337 ISO 5211. Alternative available for valve in stainless steel
Predisposta per montaggio attuatore: Attuatore connessione DIN 3337 ISO 5211. Alternativa disponibile per valvola in acciaio inox

ALFA 78

PN 10-16

Standard valve materials / Materiali costruzione valvola standard

	PART NAME PARTICOLARE	Q.TY Q.TA'	MATERIALS MATERIALI
16	body / corpo	1	ASTM A216 WCB + PFA
17	closure / chiusura	1	ASTM A216 WCB + PFA
18	ball* - stem / sfera* - stelo	1	Cd4MCU / PFA
19	bellows seal / guarnizione a soffietto	1	P.T.F.E.
20	seats / sedi	2	P.T.F.E.
21	stem packing / bussola	1	STAINLESS STEEL
22	spring washer / molla a tazza	1	STAINLESS STEEL
23	stop device / dispositivo di arresto	1	SPRING STEEL
24	washer / rondella	1	STAINLESS STEEL
25	screw / vite	4	STAINLESS STEEL
31	lever / leva	1	STAINLESS STEEL

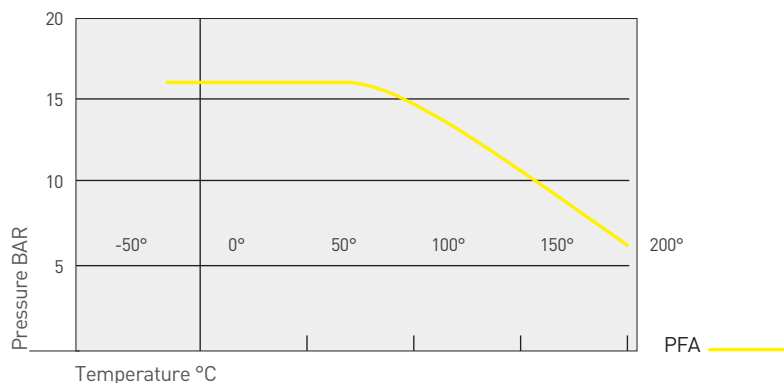
* Ceramic ball available upon request / Sfera in ceramica disponibile su richiesta

DIMENSIONS / DIMENSIONI

DN	ø"	øE	øD	ød	H	L	M	ISO 5211	Kg
15	1/2"	15	95	48	126	130	180	F05	5.0
20	3/4"	20	105	58	126	150	180	F05	6.0
25	1"	25	115	68	126	160	180	F05	6.5
32	1 1/4"	32	140	78	190	180	270	F07	9.0
40	1 1/2"	40	150	88	200	200	270	F07	13.0
50	2"	50	165	102	200	230	270	F07	16.0
65	2 1/2"	65	185	122	220	290	270	F07	28.0
80	3"	80	200	138	260	310	380	F10	36.0
100	4"	100	220	158	270	350	380	F10	56.0
125	5"	125	250	188	*	400	*	F10	85.0
150	6"	150	285	212	*	360	*	F12	98.0
200	8"	200	343	268	*	600	*	F12	175.0

* Gearbox recommended / Suggerito l'uso del riduttore

(P, T) DIAGRAM / DIAGRAMMA (P, T)



STANDARD FEATURES

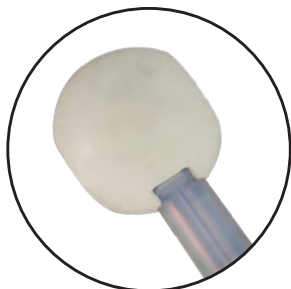
Caratteristiche standard

- **Size range** / Range dimensioni : **UNI DN 15 a/to 200; ANSI: ½" a/to 8"**
- **Pressure range** / Range di pressioni : **ANSI 150 / PN 10-16**
- **Temperature range*** / Temperatura* : **-29° C / +200° C (A74); -10° C / +200° C (A78)**
- **Flange facing RF according to** / Finitura flange secondo : **DIN EN 1092-1, PN16 ASME/ANSI B16.5 CLASS 150**
- **Flange drilling, smooth holes according** / Foratura flange secondo : **DIN EN 1092-1, PN16 ASME/ANSI B16.5 CLASS 150**
- **Face to face** / Scartamento : **DIN EN 558-1, ASME B16.10 CLASS 150**
- **Tightness class** / Classe di tenuta : **grade A (Zero Leakage) acc. EN 12266-1**

* For detailed values about pressure/temperature limits, please refer to diagrams of page 3 and page 5 / Per i dettagli sui limiti di pressione/temperatura relativi a ciascuna valvola consultare i diagrammi di riferimento di pag. 3 e pag. 5

STANDARD CONFIGURATION AND PRODUCT VARIANTS

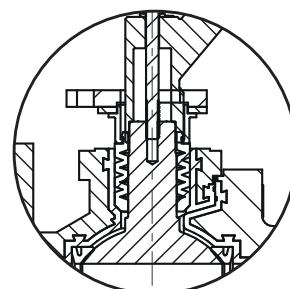
Configurazione standard e varianti di prodotto



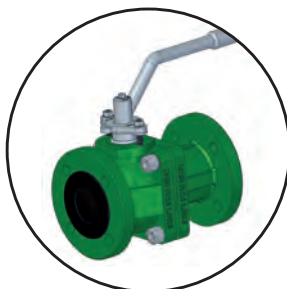
BALL PFA / SFERA PFA
Standard configuration
Configurazione standard



BALL CERAMIC / SFERA CERAMICA
The Ceramic ball is particularly recommended for use in abrasive slurries, high-temperature corrosives, and services with large temperature fluctuations
La sfera in ceramica è particolarmente consigliata per l'uso con liquami abrasivi, sostanze corrosive ad alta temperatura e servizi con ampie oscillazioni di temperatura



TESTING IN ACCORDANCE EN15848-1 / COLLAUDO SECONDO EN15848-1
The bellows seal configuration gives the possibility to have the floating ball
La configurazione a soffietto dà la possibilità di avere la sfera flottante



ANTISTATIC PFA LINED VALVE / VALVOLA RIVESTITA IN PFA ANTISTATICO
Antistatic PFA provides a reliable and long-lasting solution for conveying and handling materials that are prone to static charge accumulation like cosmetic pharmaceutical and highly flammable chemical products
Il PFA antistatico fornisce una soluzione affidabile e duratura per la movimentazione di materiali soggetti ad accumulo di carica statica come prodotti cosmetici, farmaceutici e chimici altamente infiammabili



VARIANT OF THE VALVE WITH ACTUATOR / VARIANTE CON ATTUATORE
They can be actuated with single acting and double acting actuator, limit switch box and solenoid valve
Possono essere attuate con attuatore a semplice effetto e a doppio effetto, box e elettrovalvola

NOTES

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www.alfavalvole.com

ON YOUR SIDE

CHEMICAL INDUSTRY - CORROSIVE SERVICES



Why Lining?

Specialist for corrosive fluids

The Alfa 70 lined full-bore ball valve is ideally suited for highly corrosive or abrasive application, where superior performance, tight shut-off and constant torque at almost no maintenance are required.

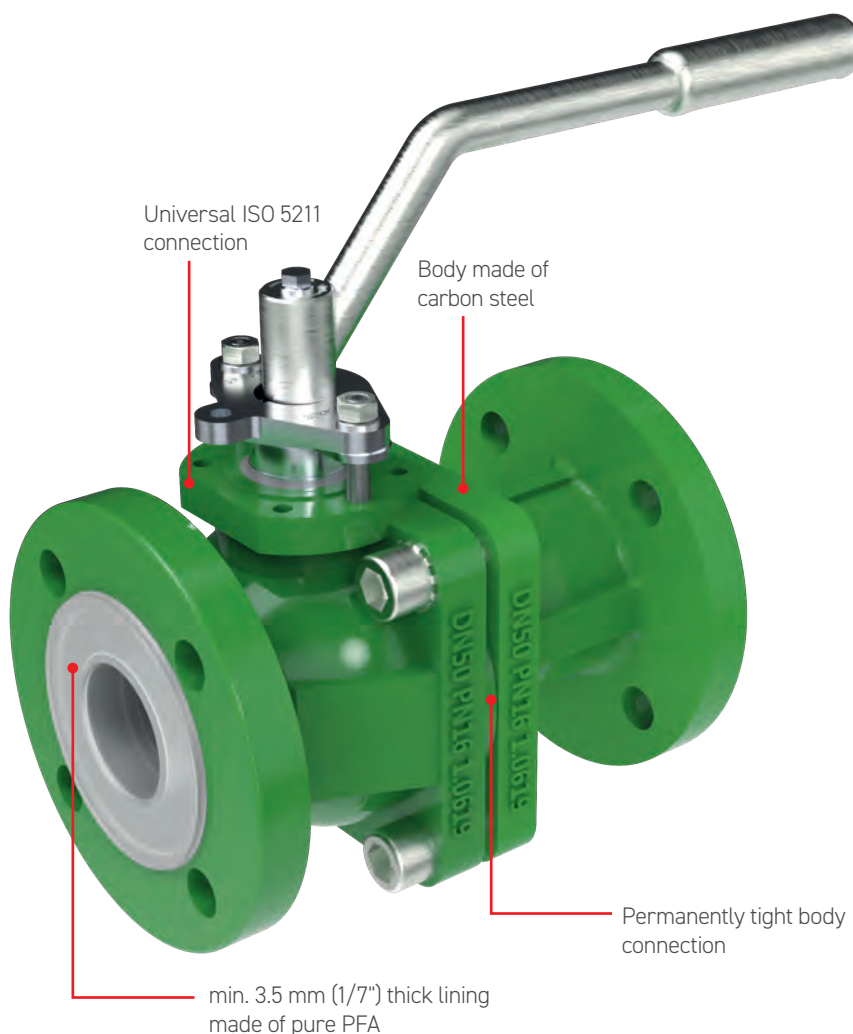
Thanks to its wide range of optional linings it is suitable to handle a multitude of corrosive applications across a large variety of industries like chemical, fine-chemical, pharmaceutical, petro-chemical, pulp & paper and mining.

The Alfa 70 is designed and developed to offer superior performance as on/off, control or throttle device for fluids in liquid or gas form.

Face to face dimensions are available in both DIN and ANSI standard.

The standard design with hand lever can also be equipped with stem extension, heating jacket or lockable hand lever.

Optionally it can be delivered for actuation, with positioner, gear box a.s.o.



Lined Ball Valves

The ball valves of the Alfa 70 family are:

- Shut-off and control valves for highly aggressive fluids
- For applications where stainless steel, special metals and standard plastics are not sufficiently corrosion-resistant
- The cost-effective and readily available alternative to special metals
- Suitable for pure, ultra-pure and solids-laden media

Alfa Valvole equipment is successfully applied for handling of:

NaCl raw, purified and ultra-pure brine

Anolyte, NaCl chlorinated and depleted brine

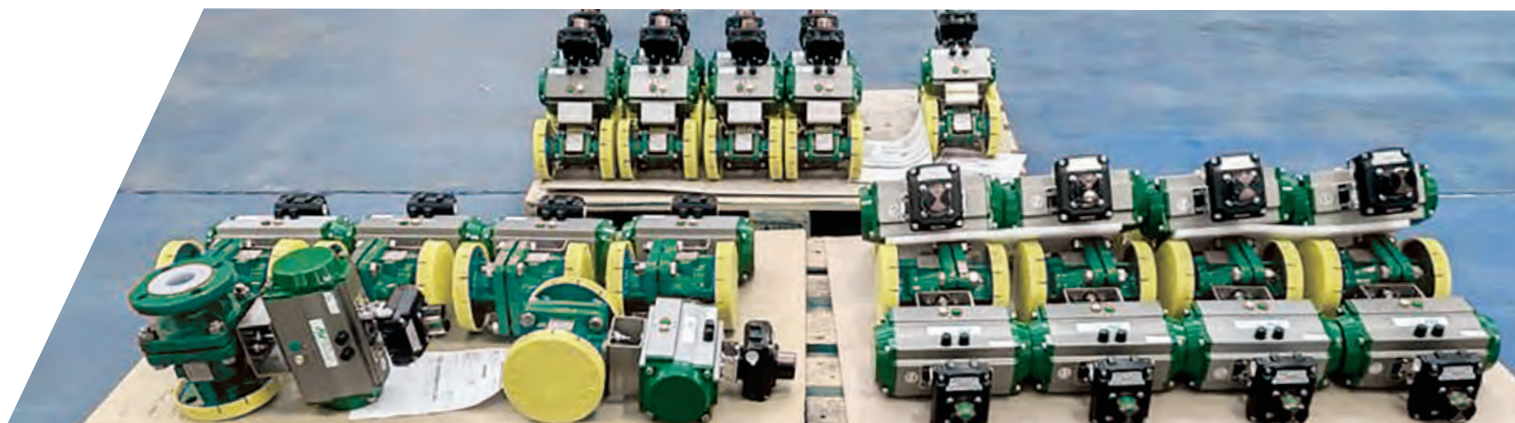
H₂SO₄ sulphuric acid to 98%, with and without Cl₂

Catholyte, NaOH caustic soda 32 to 60%

HCl hydrochloric acid

Cl₂ wet chlorine gas

NaOCl sodium hypochlorite



About ALFA Valvole

ALFA Valvole has been manufacturing high quality industrial ball valves since 1971, and specializes in producing check ball valves for any fluid control. ALFA Valvole produces branded industrial ball valves, thanks to its 10-year know-how and the support of its highly specialized staff of nearly 100 employees, including sales staff and project managers, application engineers and technicians. At Casorezzo—within the Milan area—the ALFA Valvole production team works in a 20,000-square-meter facility, equipped with the most innovative machinery, automated manufacturing lines and equipment.



Engineered and customized solutions

ALFA Engineering is a product line exclusively made of engineered solutions, according to the customers requirements and needs. Customers are supported and assisted by Alfa Valvole specialized staff, suggesting the most suitable choice of ball valves, according to the plant features and to the application fluid. ALFA Engineering solutions greatly fit a wide variety of industrial plants, belonging to different industries: Oil & Gas, chemical and mining, as well as fertilizer and pharmaceutical.



Fast delivery and wide choice

ALFA Standard is a mail-order, in stock and fast delivered product line of industrial ball valves. ALFA Standard provides a wide choice of certified and high quality ball valves for any fluid control. Fully manufactured in Italy and worldwide sold – through a widespread network of distributors and specialized staff – ALFA Standard valves fit the shipbuilding and transport industry, as well as a wide variety of industrial plants, belonging to different industries: food, pharmaceutical and chemical, water and wastewater.



For further information, please contact Local Sales Representative or Alfa Valvole Sales Department.



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