

Montréal, 27 Décembre 2019

CYNTHIA FORMANIUK
ABSA
9410 - 20 AVENUE N.W.
EDMONTON ALBERTA
CANADA T6N 0A4

Manufacturer : ALFA VALVOLE SRL
VIALE DEL LAVORO NR.19
CASOREZZO MI
ITALY 20010

Our reference : 951833

Design number : S4270, S4663, S4425, S4831, S4626, S8596, S3847, S8595, S4654, S4500,
S4734

Subject: Registration of designs – Confirmation of approval

Madam,

The Régie du bâtiment du Québec (RBQ) informs you that your application for the registration of designs has been evaluated and that the design was registered under the Canadian Registration Number (CRN\NEC) : **0C20154.26**

We bring your attention this requirement of the regulation respecting pressure vessels, and the codes and standards adopted:

- The manufacturer must maintain a valid quality control program to produce according to the CRN.

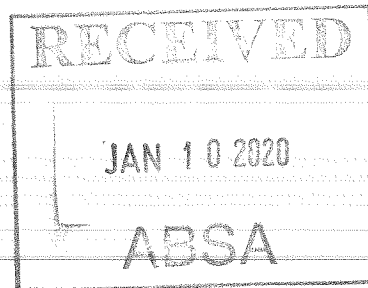
This notice of approval does not relieve the constructor of his responsibilities with respect to the design or construction of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal, 27 Décembre 2019

CYNTHIA FORMANIUK
ABSA
9410 - 20 AVENUE N.W.
EDMONTON ALBERTA
CANADA T6N 0A4



Fabricant : ALFA VALVOLE SRL
VIALE DEL LAVORO NR.19
CASOREZZO MI
ITALY 20010

Numéro de dossier : 951833

Numéro(s) de dessin (s) : S4270, S4663, S4425, S4831, S4626, S8596, S3847, S8595, S4654, S4500,
S4734

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Madame,

La Régie du bâtiment du Québec (RBQ) vous informe que votre demande d'enregistrements de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) : **0C20154.26**

Nous portons à votre attention cette exigence applicable à la réglementation sur les appareils sous pression et des codes et normes qui y sont associés :

- Le constructeur doit maintenir un système de contrôle de la qualité valide pour fabriquer selon ce NEC.

Le présent avis d'approbation ne dégage pas le constructeur de ses responsabilités quant à la conception ou à la construction des équipements fabriqués selon ce NEC.

Salutations distinguées,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7^e étage
Montréal (Québec) H2M 2V2
Téléphone : 514 873-6459
Sans frais : 1 866 262-2084
www.rbq.gouv.qc.ca

Statutory Declaration Registration of Fittings

Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	Ball valve floating type 2 way	S4270 Rev.1; S3847 Rev.1; S4626 Rev.2;
2	Ball valve floating type 2 way	S4831 Rev.1; S4425 Rev.1; S8596 Rev.0
3	Ball valve trunnion type 2 way	S4654 Rev.1; S45009 Rev.1
4	Ball valve floating type 2 way with jacket	S4663 Rev.1
5	Ball valve floating type 3 way	S8595 Rev.1; S4734 Rev. 1

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design

I, the undersigned, Di Cesare Daniele General Manager
(Name of the person in charge) (Title of the person in charge)

from Alfa Valvole Srl, located at Viale del Lavoro, 19 - Casorezzo (MI) - Italy
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

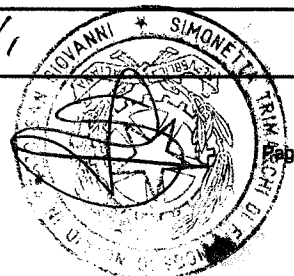
☒ comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
or
☐ are not covered by the ANSI/ASME codes, but are in compliance with _____
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: API Q1/ISO 9001, and has been verified by API Q1 & ISO 9001 Auditors
(Name of code) (Authorized agency)

Signature of the person in charge: [Signature] Date (yyyy-mm-dd): 2013/8/1



3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at _____, on _____.
(Location) (Date (yyyy-mm-dd))

Signature of commissioner for oaths:

Date (yyyy-mm-dd):

Stamp the seal:

4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.

This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.

Canadian registration number (CRN):

Registration date (yyyy-mm-dd):

OC20154.26

DEC 23 2019

Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

Sending the form

This declaration is mandatory in order to submit an application registration of fittings.

Application registration for fittings must only be sent by mail to this address:

Bureau d'expertise et d'homologation en équipements sous pression
Régie du bâtiment du Québec
545, boulevard Crémazie Est, 7^e étage
Montréal (Québec) H2M 2V2

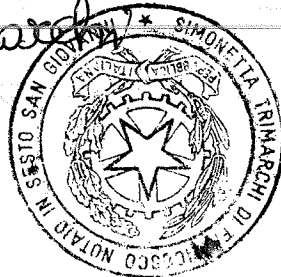
AUTHENTICATION OF SIGNATURE

I the undersigned, SIMONETTA TRIMARCHI, Notary at SESTO SAN GIOVANNI, hereby certify that on august 1, 2019 there appeared before me Mr. Daniele Di Cesare born in Rieti (RI) on 24th June 1974, who is known to me personally (whose identity was proved to me by Identity Booklet (Identity card) No AT 0910854 issued by City of Contigliano (Rieti) on 19th December 2012), and signed of his own free the attached document necessary for the Canadian registration number.

In witness whereof I hereby authenticate the signature of Mr. Daniele Di Cesare by my own signature and seal this with my stamp.

Cernusco sul Naviglio, Via Cavour 6/D, august 1, 2019.

Simionetta Trimarchi



OC20154.26

ALFA 10NE
PN 10-40
ANSI 150-300

DN	32	40	50	65	80	100	125
Ø	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"
Ø E	29	38	48	64	76	95	118
M	51	63	83	107	120	152	180
L/R	180/-	275/-	275/-	380/-	440/500	440/500	440/500
H	90	118	128	138	144	200	212
h	73	95	103	122	128	157	167
P	48	63	68.5	82	88.5	103	117.5
W	12/8	16/10	18/10	22/14	22/14	30/18	30/18
Kg	3	4.5	5.8	10	13	19.5	30
ISO 5211	F03	F05	F05	F07	F07	F10	F10
Ø F	M5	M6	M6	M8	M8	M10	M10
G	36	50	50.5	70	70	102	102
Stem Shear (Nm)	37.5	102.5	102.5	178.5	178.5	433.6	433.6

PN 10-40
ALFA 10N
ANSI 150-300

DN	32	40	50	65	80	100	125
$\varnothing$ -E	1,1/4"	1,1/2"	2"	2,1/2"	3"	4"	5"
$\varnothing$ -L	28	38	48	64	76	95	118
L	51	63	83	107	120	152	180
M/R	180/-	275/-	275/-	380/-	380/-	440/500	440/500
H	90	118	128	139	144	200	212
h	73	96	103	122	128	157	167
P	48	63	68,5	82	89,5	103	117,5
r	12/8	16/10	16/10	22/14	22/14	30/18	30/18
Kg	4	6,5	10	17	20,5	33,5	48
ISO 5211	F03	F05	F05	F07	F07	F10	F10
$\varnothing$ F	M5	M6	M6	M8	M8	M10	M10
G	30	50	50	70	70	102	102
Stem Shear (Nm)	37,5	102,5	102,5	179,6	179,6	433,6	433,6

PN 64-100
ALFA 10HP
ANSI 600

DN	32	40	50	65	80	100
Ø- ØE	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"
L	75	85	100	125	150	185
M/R	275/-	380/-	380/-	440/500	440/500	440/500
h	116	127	135	160	180	250
PN4	73	95	101	122	128	151
P	53	65	75	93	97.5	107
PN100	65	65	75	85.5	105	115
ANSI800	53	65	75	86	95	121.5
/r	16/10	22/14	22/14	30/18	30/18	45/30
Kg	9	10	19	31	40	67
ISO 5211	F05	F07	F07	F10	F10	F14
ØF	M8	M8	M8	M10	M10	M16
G	50	70	70	102	102	140
System Shear (Nm)	102.5	178.6	178.6	433.6	433.6	1749

0020154.26



Notified Body
Identification No.

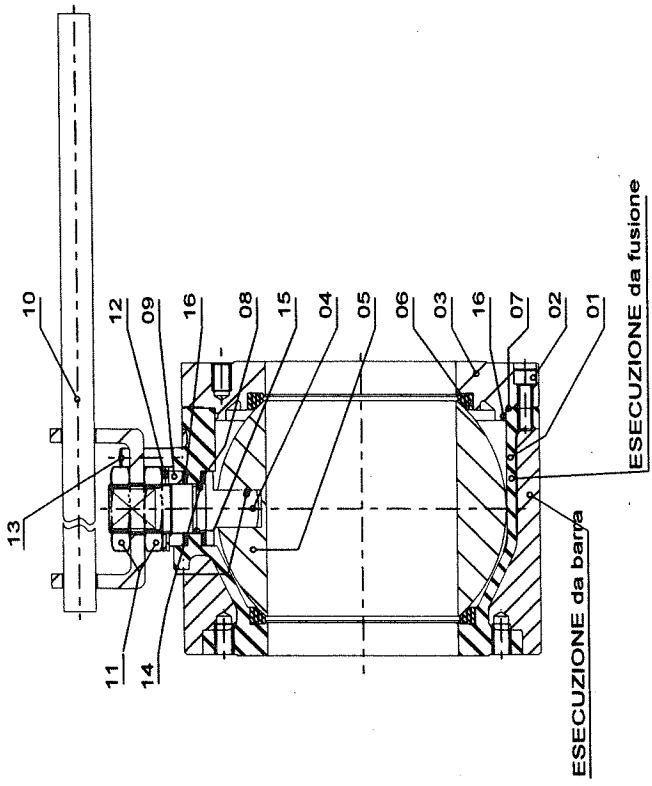
0948



A Unit of IDEX Corporation

1		15/11/01		Modifica generale	3	09/02/17	Aggiornamento materiali valvole
D		15/10/01		Varie emissioni	2	30/09/15	Modifica generale
PRODOTTORE	DATA	DATA	DATA	NOTE	PRODOTTORE	DATA	NOTE
					MODIFICHE		
		DISSEGNO	CONTROLLATO	APPROVATO	DISSEGNO DIMOSTRATIVO PESO SUPERFICIE		
DATA	09/02/17	09/02/17					
FIRMA	G.M.	F.P.	M.G.				
DESCRIZIONE					DISSEGNO RAPPRESENTATIVO FAMIGLIA WAFER FLOTTANTI - Piano prodotto PP 10		
WAFER BALL VALVES REPRESENTATIVE DRAWING - Product plan PP 10							
 ALFA VALVOLE A Unit of IDEX Corporation					SCALA		DIS. N°
							S4270
							Sh. 2 of 4
AUTORE: Ing. G. B. (02/01/01) - VERIFICATO: Ing. G. B. (02/01/01) - APPROVATO: Ing. G. B. (02/01/01) - DATA: 02/01/01 - FOLIO: 10 DI 10							

0C20154.26



ESECUZIONE da fusione

MODELLO	ALFA 10NF	ALFA 10NF	ALFA 10HP
Model	PN10/16	PN10/16	PN10/16
	ANSI150	ANSI300	ANSI600
FUSIONI / Casting	100-150-200	150	---

MATERIALI DI COSTRUZIONE / Materials of construction			
16	BUSSOLA ESTERNA	EXTERNAL WASHER	2.1
15	O-RING STELO	STEM O-RING	2.1
14	DISP. ANTISTATICO	ANTISTATIC DEVICE	---
13	DISP. D'ARRESTO	STOP DEVICE	---
12	MOLLA A TAZZA	SPRING WASHER	---
11	DADO/CONTRODADO	NUT/LOCK NUT	---
10	LEVA	LEVER	---
09	PREMIGUARNIZIONE	BLAND	---
08	BUSSOLA INTERNA	INTERNAL WASHER	2.1
07	GUARNIZIONE CORPO	BODY GASKET	2.1
06	SEDI	SEATS	2.1
05	SFERA	BALL	3.1
04	STELO	STEM	3.1 / 3.2
02	VITE CORPO	SCREW	2.2
03	CHIUSURA CORPO + LATERAL	CLOSURE BODY + CONNECTOR	3.1
01	PARTICOLARI	PART NAME	Certificato EN 10204 Certificate EN 10204

LIMITI DI IMPIEGO / Use Limits			
MODELLO	ALFA 10N	ALFA 10NF	ALFA 10HP
Model	PN10/16	PN10/16	PN10/16
	ANSI150	ANSI300	ANSI600
DIAMETRI NOMINALI Nominal Sizes	100 - 150 - 200	100 - 150 - 200	200
Pressione Max. Esercizio Temp. (bar)	40	40	51
Maximum Working Press. Temp. (bar)	6	6	15
Pressione Max. Esercizio Temp. (bar)	44	27 DN 150 - 200	56
Maximum Working Press. Temp. (bar)	4" - 6" 160°C	4" - 6" 160°C	160°C
Design Pressure PS (bar)	6" 120°C	6" 120°C	120°C
Temperature Max. TS (°C)	29°C per A105	con controllo della tenacità a temp. TR quando inferiore a 21°C	
Min. Working Temperature	-40°C per A350LFP2 Classe 2	with impact test at temperature TR when lower of 21°C	
Temp. Min. Verifica Resistenza TR (°C)	In Accordato alla normativa EN13445-3 par. 4.1.8 e Annex B		
Temp. of Impact Test Verification TR (°C)	According to the Standard EN 13445-3 par. 4.1.8 e Annex B		
SPESORI / Thickness	ANSI B16.34 / ASME VIII Div. 1 / DIN 3540		
DIMENSIONI / Base Dimensions	ANSI B16.34 / API 6D / BS EN ISO 17292		
ESTREMITA' FLANGIATE	ANSI B16.5		
Flanged Ends	EN 1092-1		
RISALTO FLANGE DI ESTREMITA'	ANSI B16.5 RF - LF/RF - LW/SM - LG/SG - LT/ST		
Facing	EN 1092-1: Type A (Flat Face), Type B1 & B2 (Raised Face) Type C (Tongue), Type D (Groove) Type E (Spigot), Type F (Recess)		
SCARTAMENTI	STANDARD INTERNO		
Face to Face	Manufacturer Standard		
ATTACCO ATTUATORE	ISO 5211 / EN 12116		
Operator	ALFA 10N ALFA 10NF ALFA 10HP		
	PN10/16 PN25 PN40		
RIDUTTORE MANUALE	DN 150 DN 200 DN 250 DN 300		

FLUIDI Media Liquidi e Gas Gruppo 1 (Pneumatici) Dkt 2014/68/UE "PED" art. 13 - CATEGORIA III Group 1 (Dangerous) 2014/68/UE "PED" art. 13 Liquids and Gases - Category III

INCENDIO ESTERNO/Ex Safe EN 10487 / API Spec. 6FA / API Std. 607

CONTROLLO EMISSIONI/Leakage Test BS EN ISO 17292 / API6D / API6F / EN 12296-1 / ISO 5208

COLLAUDO FINALE/Final Test

CARICHI SIMULTanei Simultaneous loading

CARICHI DA VENTO / TERREMOTO Non Applicabili secondo ASME III Subsect.NB Not Applicable according to ASME III Subsect.NB

TERREMOTO / Wind Loads Non Applicabili secondo ASME III Subsect.NB Not Applicable according to ASME III Subsect.NB

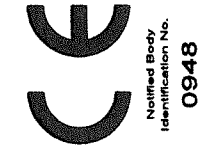
FATICA DA AVVIAMENTI Pressure Cycling Fatigue Non Applicabili secondo ASME III Subsect.NB Not Applicable according to ASME III Subsect.NB

FATICA DA OSCILLAZIONI DI PRESSIONE Pressure Oscillation Fatigue Non Applicabili secondo ASME III Subsect.NB Not Applicable according to ASME III Subsect.NB

NUMERO MAX. ORE DI ESERCIZIO Function of actual working conditions but not longer than:

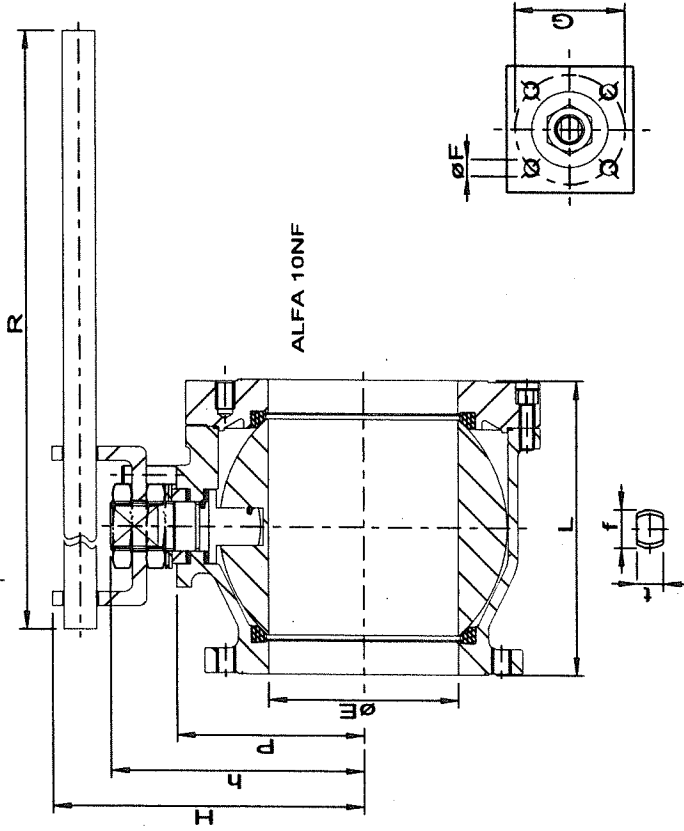
- 100,000 ore con interventi periodici / hours with periodic interventions
- 1,500 cicli pressurizzazione-depressurizzazione per corpi in acciaio al carbonio cycles of valve pressurizing and de-pressurizing with carbon steel bodies
- 13,000 cicli pressurizzazione-depressurizzazione per corpi in acciaio inossidabile cycles of valve pressurizing and de-pressurizing with stainless steel bodies
- 50,000 cicli di apertura-chiusura / open-close cycles

SOVRASPRESSIONE per CORROSIONES mm (solo valvole acciaio al carbonio / carbon steel only) Corrosion overthickness

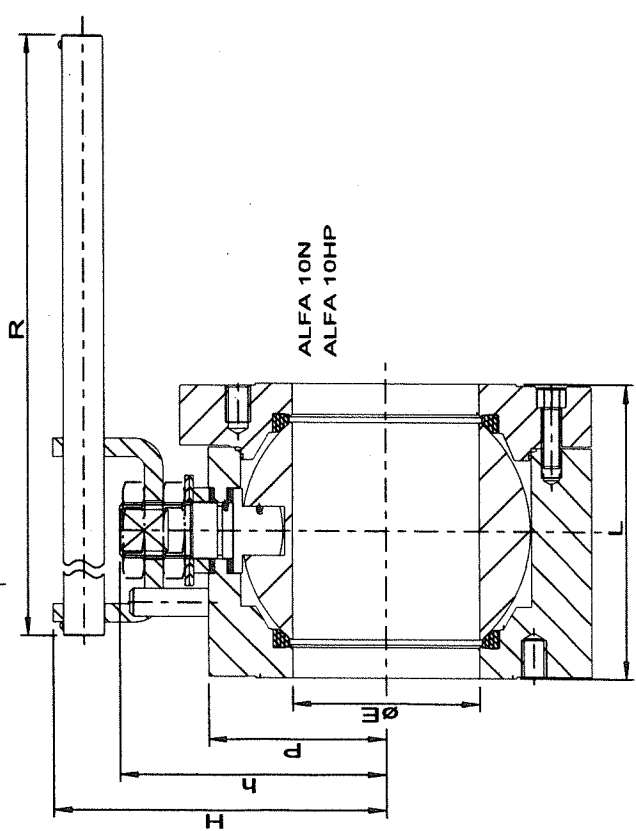


1		15/10/01		Modifica generale		3		09/02/17		Aggiornato materiali valvola	
0		15/10/01		Prima emissione		2		30/09/15		Modifica generale	
MOD		DATA		NOTE		MOD		DATA		NOTE	
FIRMA		FIRMA		FIRMA		FIRMA		FIRMA		FIRMA	
MODIFICHE											
DISEGNO				DISEGNO				PESO			
DIMOSTRATIVO				DIMOSTRATIVO				SUPERFICIE			
DATA		09/02/17		10/02/17		F.P.		M.G.			
FIRMA		G.M.									
DESCRIZIONE						DISEGNO RAPPRESENTATIVO FAMIGLIA WAFER FLOTTANTI - Piano prodotto PP 10					
WAFER BALL VALVES REPRESENTATIVE DRAWING - Product plan PP 10											
SCALA						DIS. N°					
-----						S4270					
Sh. 3 of 4											
ALFA VALVOLE						ALFA VALVOLE					
A Unit of IDEX Corporation						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					
ALFA VALVOLE						ALFA VALVOLE					

DIMENSIONI - DIMENSIONS - DIMENSIONS - ABMESSUNGEN



ALFA 10NF



ALFA 10N
ALFA 10HP

DN	100	150	200
Ø"	4"	6"	8"
ØE	95	152	203
L	152	240	314
R	500	800	800
H	200	265	320
h	157	220	270
P	103	153	200
W	30/18	45/30	52/30
Kg	22	69	132
ISO 5211	F10	F14	F14
ØF	M10	M16	M16
G	102	140	140
Stem Shear (Nm)	433.6	1749	2844

ALFA 10N/150-300
PN 10-40

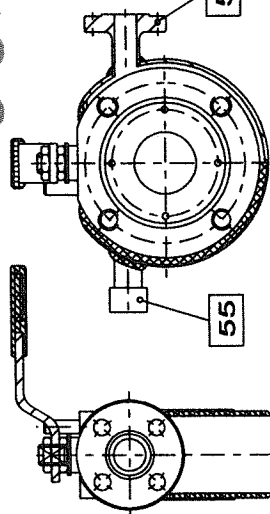
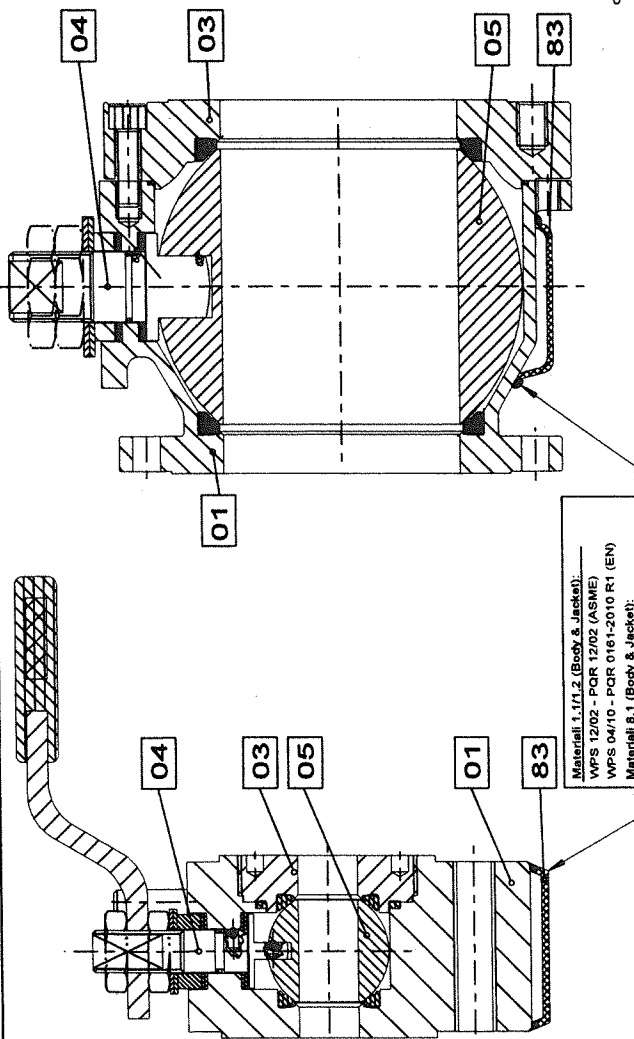
DN	100	152	200
Ø"	4"	6"	8"
ØE	95	152	203
L	152	240	314
R	500	800	800
H	200	265	320
h	157	220	270
P	103	153	200
W	30/18	45/30	52/30
Kg	22	69	132
ISO 5211	F10	F14	F14
ØF	M10	M16	M16
G	102	140	140
Stem Shear (Nm)	433.6	1749	2844

ALFA 10N/150-300
PN 10-40

0C20154.26

CE
Notified Body
Identification No.
0948

1	15/1/01	Modifica generale	3	09/02/17	Aggiornato materiale valvola
0	15/1/01	Prime emissioni	2	30/09/15	Modifica generale
Autore	DATA	REDA	Autore	DATA	REDA
		NOTE	NOTE		
MODIFICHE					
DISEGNO/CONTROLLATO APPROVATO			PESO		
DATA 09/02/17 09/02/17 10/02/17			DIMOSTRATIVO		
FIRMA G.M. F.P. M.G.			SUPERFICE		
DESCRIZIONE DISEGNO RAPPRESENTATIVO FAMIGLIA WAFER FLOTTANTI - Piano Prodotto PP 10					
WAFER BALL VALVES REPRESENTATIVE DRAWING - Product Plan PP 10					
SCALA			DIS. N° S4270		
A Unit of IDEX Corporation			Sh. 4 of 4		



MATERIALI DI COSTRUZIONE (*) / Materials of construction (*)		si Dis. 4270 gastero PEGUOT	
83	CAMICIA	HEATING JACKETS	2.2
		ASTM A240 Tp. 304/316 - 304/L316L ASTM A516 Gr.60/65 ASTM A516 Gr.60/65 EN 10025-2 Gr. S275 JR/J0 EN 10028-3 Gr. P275 NH (1.0487) EN 10088-2 Tp. 1.4301 - 1.4307 EN 10089-2 Tp. 1.4401 - 1.4404	ASTM A516 Gr.60/65 ASTM A516 Gr.60/65 EN 10025-2 Gr. S275 JR/J0 EN 10028-3 Gr. P275 NH (1.0487) EN 10088-2 Tp. 1.4301 - 1.4307 EN 10089-2 Tp. 1.4401 - 1.4404
55	FLANGIA NIPPO	FLANGE NIPPLE	2.2
		ASTM A182 F304/F304L ASTM A479 Tp.304/304L ASTM A182 /A479 Tp.304-304L ASTM A351 CF8	ASTM A182 F316/F316L ASTM A479 Tp.316/316L ASTM A182 /A479 Tp.316-316L ASTM A351 CF8 /CF8M ASTM B164 Tp:UNS N04400
05	* SFERA	BALL	3.1
		ASTM A182 F316 HB > 180 ASTM A479 F316 DN 80 ASTM A79 F41000 ASTM A182 F51 ASTM A564 Tp.630M (17-4 PH)	ASTM A182 F316 HB > 180 ASTM A479 F316 DN 80 ASTM A79 F41000 ASTM A182 F51 ASTM A564 Tp.630 (17-4 PH)
04	* STELO	STEM	3.1/3.2
		ASTM A182 F316 HB > 180 ASTM A479 F316 DN 80 ASTM A79 F41000 ASTM A182 F51 ASTM A564 Tp.630M (17-4 PH)	ASTM A182 F316 HB > 180 ASTM A479 F316 DN 80 ASTM A79 F41000 ASTM A182 F51 ASTM A564 Tp.630 (17-4 PH)
03 01	CHIUSURA CORPO	CLOSURE BODY	3.1
		ASTM A479 Tp.304 ASTM A182 /A479 Tp.304-304L ASTM A351 CF8 /CF8M ASTM B164 Tp:UNS N04400 ASTM A479 S41000 ASTM A182 F316 HB > 180 ASTM A479 F316 DN 80 ASTM A79 F41000 ASTM A182 F51 ASTM A564 Tp.630 (17-4 PH)	ASTM A182 F316 HB > 180 ASTM A479 F316 DN 80 ASTM A79 F41000 ASTM A182 F51 ASTM A564 Tp.630 (17-4 PH)
POS	RICAMBI Sostit.	PARTICOLARI	Particollari EN 10204 Particollari EN 10204 Particollari EN 10204

MODELLO Model		LIMITI DI IMPIEGO / Use Limits					
	ALFA 11N ALFA 11NF ALFA 104 PN 10/16/25/40 ANSI 150	ALFA 11N ALFA 11NF ALFA 104 ANSI 300					
DIAMETRI NOMINALI Nominal Sizes							
Prestazione Max. Esercizio PS (bar)	32 - 200 ALFA 104 32 - 104						
Maximum Working Press.	40 DN ≤ 150 25 DN ≥ 200		51				
Prestazione Max. Esercizio Tmax. (bar)	8		15				
Maximum Working Press.							
Temperatura Max. TS (°C)	1½" - 2" 200°C 2½" - 3" 180°C 4" - 6" 160°C 8" 120°C						
Max. Working Temperature							
Temperatura Min. TSmn. (°C)	Trascurabile *						
Mín. Working Temperature TSmn (°C)	Negligible *						
Max. condizioni di servizio simultaneo Max. simultaneous conditions	Consultare Ufficio Tecnico ALFA VALVOLE Pla. contact ALFA VALVOLE Techn. Dept.						
					CAMICIA ESTERNA / Jacket		
Prestazione Max. Esercizio PS (bar)	16 per DN ≤ 80 10 per DN > 80						
Maximum Working Press.							
Temperatura Max. TS (°C)	260°C						
Max. Working Temperature							
Volumi Max. (DN 200)	3 ÷ Lt						
Mín. Working Temperature TSmn (°C)							
* Trattandosi di valvole riscaldate, non si ritengono applicabili valutazioni delle TEMPERATURE di Progetto al fine della verifica delle prescrizioni di tenacità. * Valves are continuously heated and thus not affected by low temperature embrittlement.							
ESTREMITÀ FLANGIATE EN 1092-1 (max PN40) RF ANSI B16/5 or EN 1062-1 NPT ANSI B1.20.1 - GAS UNI ISO 228/1 - SW ANSI B16.25							
End Flanges ATTACCHI CAMICIA Jacket Connections							

CATEGORIA Category

SPessori / Thickness
INCENDIO ESTERNO Fire Safe
CONTROLLO EMISSIONE Emissions
COLLAUDO FINALE Final Test
BULLONERIE Boltings

TAPPI FILETT. / Screwed Connectors

CARICHI SIMULTANEI
Simultaneous loading

CABICHI DA VENTO / TERREMOTO

**Earthquake / Wind Loads
FATICA DA AVVIAMENTI**

FATICA DA OSCILLAZIONI DI PRESS
Pressure Cycling Fatigue
Pressure Oscillation Fatigue

NUMERO MAX. ORE DI ESERCIZIO
Valve Life

SOVRASPRESSORE per CORROSIONI
Corrosion overthickness

1

5

5

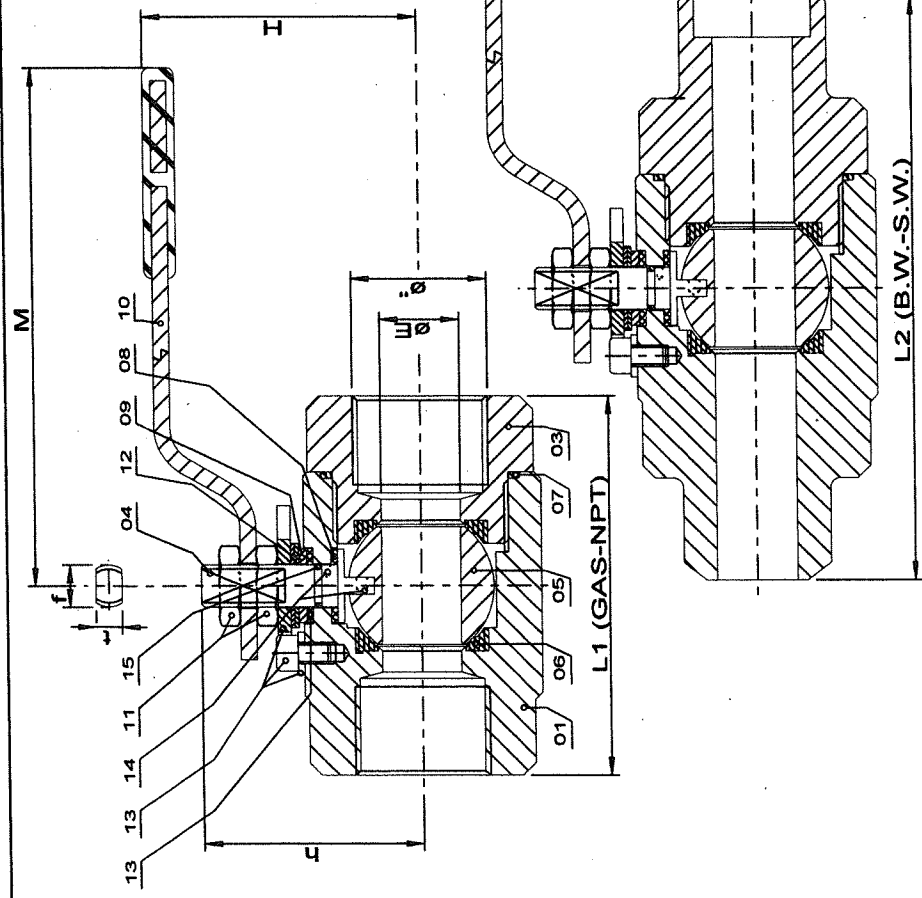
100

Notified Body
Identification No.

0948

Group 2 (Non-Dangerous) Liquids - Cuts

[Downloaded from ascelibrary.org by University of California, San Diego on 06/09/14](#)



LIMITI DI IMPIEGO / Use Limits	
MODELLO Model	ALFA 20 RT ANSI 1500 (DEVLOX)
DIAMETRI NOMINALI Nominal Sizes	32 - 50
Pressione Prova Corpo (bar)	207
Body Test Press. (bar)	363
Pressione Progetto Sedi (bar)	139
Body Design Pressure - Trim. (bar)	255
Pressione Progetto Sedi Trim. (bar)	139
Body Design Pressure - Trim. (bar)	255
Pressione Max. Esercizio Trimax. (bar)	8 (1)
Maximum Working Press. Trimax. (bar)	230 (1)
Pressione Progetto PS (bar)	139
Design Pressure PS (bar)	255
Temperatura Max. TS (°C)	200°C
Max. Working Temperature TS (°C)	150°C
Temperatura Min. TSmín. (°C)	-29°C per A105 con controllo della tenacità qualsiasi il valore TR sia inferiore a 21°C -10°C per A350LFP con controllo della tenacità qualsiasi il valore TR sia inferiore a 21°C -40°C per A350LFP con controllo della tenacità qualsiasi il valore TR sia inferiore a 21°C
Min. Working Temperature TSmín. (°C)	
Temp. Min. Verifica Resistenza TR (°C)	In accordo a EN 13445-2 Unified Pressure Vessels - Materials, para 4.1.8 e Annex B
Temp. of Impact Test Verification TR (°C)	According to EN 13445-2 Unified Pressure Vessels - Materials, para 4.1.8 e Annex B

(1) Funzione del materiale delle sedi di tenuta

ESTREMITA' End Connections	NPT (ANSI B1.20.1) / GAS UNI ISO 228/1 (Rt. cilindrica, standard) o UNI EN 10228-2 (Rt. conica)
SCARTAMENTI Face to Face	Standard Interno Internal Standard

FLUID / Media
Liquidi e Gas Gruppo 1 (Periodici) Dir. 2014/68/UE "PED", art. 13 - CATEGORIA II
Group 1 (Dangerous) 2014/68/UE "PED", art. 13 Liquids and Gases - Category II

DIMENSIONI / Base Dimensions
BS EN ISO 17262 / ANSI B16.34
EN 10497
ANSI B16.104 / EN 12268-1 / ISO 5208 / API 598
ANSI B16.34 / ASME VIII Div. 1
ASME B16.34

COLLAUDO FINALE Final Test
SPESORI Thickness
DIMENSIONAMENTO TAPPI FIL.
Screwed connectors

CARICHI SIMULTANEI
Simultaneous loading

CARICHI DA VENTO / TERREMOTO
Non Considerati
Embricate / Wind Loads

FATICA DA AVVIAMENTI
Pressure Cycling Fatigue
Not Applicable in force a ASME III Subsect. NB
Not Applicable according to ASME III Subsect. NB

FATICA DA OSCILLAZIONI DI PRESSIONE
Applicabili in force a ASME III Subsect. NB
Not Applicable according to ASME III Subsect. NB

NUMERO MAX. ORE DI ESERCIZIO
Function of actual working conditions but not longer than:
- 100.000 ore con intervalli periodici / hours with periodic interventions
- 13.000 cicli pressurizzazione-depressurizzazione per corpi in acciaio inossidabile
cycles of valve pressurizing and de-pressurizing with carbon steel bodies
- 50.000 cicli di apertura-chiusura per servizi liquidi / open-close cycles on liquid service
- 5.000 cicli di apertura-chiusura per servizi gas / open-close cycles on gas service

SOVRASPRESSORE per CORROSIONE mm
Corrosion overthickness
(solo valvole acciaio al carbonio / carbon steel only)

CE

0C20154.26

0948

Notified Body Identification No.

0948

0948

0948

0948

0948

0948

0948

0948

0948

0948

MATERIALI DI COSTRUZIONE / Materials of construction	
16	BUSSOLA ESTERNA/EXTERNAL WASHER P.E.
15	O-RING STELO
14	DISP. ANTISTATIC/ANTISTATIC DEVICE
13	DISP. D'ARRESTO/STOP DEVICE
12	MOLLA A TAZZA SPRING WASHER
11	DADO/CONTROL NUT
10	LEVA LEVER
09	PREMIGUARNIZIONE/LEAND
08	BUSSOLA INTERNA/INTERNAL WASHER P.E.
07	GUARNIZIONE CORPO BODY GASKET
06	SEDI SEATS
05	SPERA BALL
04	STELO STEM
03	CHIUSURA CORPO BODY
01	CHIUSURA CORPO BODY
POS.	PARTICOLARE PART NAME

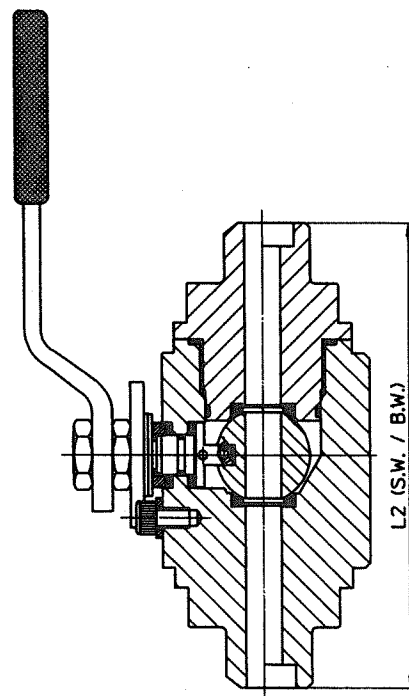
ALFA 20T	
DN	32 40 50
Ø	1 1/4" 1 1/2" 2"
ØE	24 29 38
L1 (GAS-NPT)	98 104 125
L2 (B.W.-S.W.)	178 190 219
M	180 275 275
H	81 108 130
h	63.5 77.5 105
W	12/8 16/10 16/10
Kg (L1)	2.7 4.7 7
Kg (L2)	3.7 5.6 8.2

ALFA 20R	
DN	32 40 50
Ø	1 1/4" 1 1/2" 2"
ØE	24 29 38
L1 (GAS-NPT)	98 104 125
L2 (B.W.-S.W.)	178 190 219
M	180 275 275
H	81 108 130
h	63.5 77.5 105
W	12/8 16/10 16/10
Kg (L1)	2.7 4.7 7
Kg (L2)	3.7 5.6 8.2

1	04/05/06	Modifica generale	3	16/02/17	Aggiornato materiali valvola
2	12/01/15	Modifica generale	2	12/01/15	Modifica generale
NOTE		NOTE		NOTE	
MODIFICHE		MODIFICHE		MODIFICHE	
DISEGNO APPROVATO		DISEGNO APPROVATO		DISEGNO APPROVATO	
DATA 16/02/17		DATA 16/02/17		DATA 16/02/17	
FIRMA G.M.		FIRMA G.M.		FIRMA G.M.	
DESCRIZIONE		DESCRIZIONE		DESCRIZIONE	
DISEGNO RAPPRESENTATIVO DELLA FAMIGLIA VALVOLE 2 PEZZI FILETTATI		DISEGNO RAPPRESENTATIVO DELLA FAMIGLIA VALVOLE 2 PEZZI FILETTATI		DISEGNO RAPPRESENTATIVO DELLA FAMIGLIA VALVOLE 2 PEZZI FILETTATI	
REPRESENTATIVE DRAWING OF 2 PIECES SCREWED BALL VALVES		REPRESENTATIVE DRAWING OF 2 PIECES SCREWED BALL VALVES		REPRESENTATIVE DRAWING OF 2 PIECES SCREWED BALL VALVES	
SCALA		SCALA		SCALA	
DIS. N°		DIS. N°		DIS. N°	
S4425		S4425		S4425	
Sh. 1 of 1		Sh. 1 of 1		Sh. 1 of 1	



A Unit of IDEX Corporation



CE
Notified Body
Identification No.
09760

DN	40
ø"	1 1/2"
øE	29
L1 (OPT)	180
L2 (S.W./B.W.)	190
M	380
H	119
h	94
f/H	22/18
M ₂₀ 9 40 20	32

Liquid e Gas Gruppo 1 (Periodico) Dr. 2014/68/UE "PED", art. 13 - CATEGORIA II
Group 1 (Manufacture) 2014/68/UE "PED", art. 13 Liquids and Gases - Category II
Medio

JEPRESSON / Base Diametrale
 RINGHEDD ESTERNO / Fit Sole
 COLLAUDO FINALE / Final Test
 JEPRESSON / Thickness
 SINGHEDD INTERNO / Fit Int.
 JEPRESSON / Base Diametrale
 RINGHEDD ESTERNO / Fit Sole
 COLLAUDO FINALE / Final Test
 JEPRESSON / Thickness
 SINGHEDD INTERNO / Fit Int.

CARON SPILTANES
Scalette a scivolo
Presbitero, Flessione delle Linee, Carichi Assiali delle Linee
Inchiodo Pressure, Binding, Axial Load from doors

Numero Smaltimento	CAVITÀ DA VENTO / TERRENATO	Non Considerati	Non Considerati
	Earthquake / Wind Loads	Not Considered	Not Considered
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

FATICA DA VIBRAZIONI
Pressure Cycling Fatigue

FATICA DA OSCILLAZIONI DI PRESS. Non Applicabili in forza di ASME III Subsect. NB
Pressure Oscillation Fatigue Not Applicable according to ASME III Subsect. NB

NUMERO MAX. ORE DI ESERCIZIO
Valve Life

- 100,000 are con Interventi peridid / hours with p
- 1500 cidi pressurizzazione-depressurizzazione se

cycles of valve pressurizing and depressurizing.

- 50,000 cicli di apertura-chiusura per servizi liquidi

- 5.000 cicli di apertura-chiusura per servizi gas /

SOPRA-PRESSURE PER CORROSIONE 4 mm (solo valvole acciaio al carbonio / carbon steel only)
Corrosion overthickness

002015426

Aggiornamento Normativo										Aggiornamento Materiali	
Prima Emissione											
1	26/06/15	0	11/09/02	2	10/10/16	DATA		DATA		DATA	
PROG.	DATA	PROG.	DATA	PROG.	DATA	PROG.		PROG.		PROG.	
MODIFICHE											
CONTROLLATO				APPROVATO				DISEGNO			
10/10/16				10/10/16				10/10/16			
F.P.				M.G.				DIMOSTRATIVO			
L.C.				L.C.				SOSTITUZIONE L.			
								SOSTITUZIONE DA			
DESCRIZIONE											
DISEGNO RAPPRESENTATIVO DELLA FAMIGLIA VALVOLE 2 PEZZI FILETTATI											
RAPPRESENTATIVE DRAWING OF 2 PIECE SCREENED BALL VALVES											
SOLA						DIS. N°		S4831			
---						---		Sh. 1 of 1			
											
2010 CASOPEZZO (Milano) - ITALIA - Tel. 02.90294206 Fax. 02.90294292 E-Mail: alvalvolesp@alvalvole.it											



LIMITI DI IMPIEGHO / Use Limits			
MODELLO Model	ALFA 24K		
DIAMETRI NOMINALI Sizes	06 - 100		
Pressione Prova Corpo (bar)	DN16 40 96		
Body Test Press. (bar)	DN16 50 60		
Pressione Max. Elasticità Tanti (bar)	DN16 40 64		
Maximum Working Press. Tanti (bar)	DN16 50 40		
Pressione Max. Elasticità Tanti (bar)			
Maximum Working Press. Tanti (bar)			
Pressione Progetto PS (bar)	DN16 40 64		
Design Pressure PS (bar)	DN16 50 40		
Pressione Max. TS (°C)	1½"-2" 200°C		
Temperature Max. TS (°C)	2½"-3" 180°C		
Max. Working Temperature TS (°C)	4" 160°C		
Temperature Min. TSmin. (°C)	-20°C per A216 WCB		
Min. Working Temperature TSmin (°C)	-40°C per A351 CF8M senza controllo della tenacità -70°C per A351 CF8L senza controllo della tenacità		
Temp. Min. Verifica Resistenza TR (°C)			
Temp. of Inspec Test Verification TR (°C)			

liquidi e Gas Gruppo 1 (Pericolosi) Dlt. 2014/69/UE "PED", art. 13 - CATEGORIA II
Group 1 (Dangerous) 2014/69/UE "PED", art. 13 Liquids and Gases - Category II

ESTREMITA' End Connections	NPT ANSI B1.20.1 / GAS UNI ISO 228-1 / BW ANSI B16.11 / SW ANSI B16.25
SCARTAMENTI Face to Face	DIN 3202 M3

INCENDIO ESTERNO/ris Safe
BS EN ISO 17292 / ANSI B16.104 / EN 12286-1
SPESORI thickness
CARICHI SIMULTANEI
Simultaneous loading
CARICHI DA VENTO
Wind loads

CARICHI DA TERREMOTO	Non Considerati
Earthquake Loads	Not Considered
PRESSURE DALLA PIASTRA DI ANVIAMENTO	Non Applicabili in forza a ASME III Subsect.NB
Pressure From Flange	Not Applicable according to ASME III Subsect.NB
PRESSURE DALLA OSCILLAZIONE DI PRESS.	Non Applicabili in forza a ASME III Subsect.NB
Pressure Oscillation Fatigue	Not Applicable according to ASME III Subsect.NB
NUMERO MAX. ORE DI ESERCIZIO	Funzione delle reali condizioni di esercizio ma non superiore a:
Vita utile	Function of actual working conditions but not longer than:

- 100.000 ore con interventi periodici / hours with periodic interventions
- 1.500 cicli pressurizzazione-depressurizzazione per corpi in acciaio al carbonio
cycles of valve pressurizing and de-pressurizing with carbon steel bodies
- 13.000 cicli pressurizzazione-depressurizzazione per corpi in acciaio inossidabile
cycles of valve pressurizing and de-pressurizing with stainless steel bodies
- 50.000 cicli di apertura-chiusura per servizi litiq. / open-close cycles on liq.serv.
- 10.000 cicli di apertura-chiusura per servizi gas / open-close cycles on gas serv.

DOVREBBE PER CORROSIONE (mm) (spia valvole acciaio al carbonio / carbon steel only)

SOVRASPESORE PER CORROSIONE 4 mm (solo valvole acciaio al carbonio / carbon steel only)

Notified Body
Identification No.
0948

[illegible]

MODIFICHE DISEGNO DIMOSTRATIVO	CONTRATTATO APPROVATO		PESO SUPERFICIE
	DISEGNATO	APPROVATO	
	DATA 20/02/17	21/02/17	
	FIRMA G.M.	F.P. G.M.	
DESCRIZIONE			DISEGNO RAPPRESENTATIVO DELLA FAMIGLIA VALVOLE 3-PEZZI

REPRESENTATIVE DRAWING OF 3-PIECE BALL VALVES

ALFA VALVOLE

A Unit of IDEX Corporation

[illegible]

MATERIALI DI COSTRUZIONE / Materials of construction				
16	★ BUSSOLA ESTERNA WASHER F.E.	WASHER F.E.	Graphoil	2.1
14	★ O-RING STELO	STEM O-RING	VITON	-
15	DISP. ANTISTATICO STATISTIC DEVICE	AISI 316	AISI 316	-
14	DISP. D'ARREST STOP DEVICE	AISI 316	Cl.8.8 EN ISO 898-1 zincato	-
12	MOLLA A TAZZA SPRING WASHER AISI 316	AISI 316	51CrV4 EN 10083-3 zincato	-
13	DADO CONTROL LOCK NUT	A4-70	Cl.8 EN ISO 898-6 zincato	-
11	LEVA LEVER	9235JR EN 10025-2 zincato	9235JR EN 10025-2 zincato	-
10	PREGIARNIZIONE BEAD	ASTM A479 Tp.316	1TSMnP3637 (1.0737)	-
09	BUSSOLA INTERNA WASHER F.E.	F.E.	EN 10087 zincato	-
07	★ GUARNIZIONE CORPO BODY GASKET	P.T.F.E.	P.T.F.E. + Graphite	2.1
08	★ SEDI SEATS	P.T.F.E. / R.P.T.F.E. / P.T.F.E.-grafite	P.T.F.E. + Graphite P.T.F.E. / R.P.T.F.E. / P.T.F.E.-grafite	2.1
05	★ SFERA BALL	ASTM A479 Tp.316-318L ASTM A351 CF8M	ASTM A479 Tp.304-304L ASTM A351 CF8 / CF8M	3.1
04	★ STELO STEM	ASTM A182 F316 / A479 Tp.316 ASTM A182 F51	ASTM A182 F316 / A479 Tp.316 ASTM A182 Fca Cl.2 A479 S41000 ASTM A182 F51	3.1 / 3.2
02	VITE SCREW	A4-70	Cl.8 EN ISO 898-6 zincato	2.2
02b	DADO CORPO BODY STUD NUT	A4-70	G. 8.8 EN ISO 4014 zincato	-
01	CHIUSURA CLOSURE	ASTM A182 Tp.316L	ASTM A105	3.1
01	CORPO BODY	ASTM A351 CF8M	ASTM A316 WCB	-
POS	PARTICOLARE PART NAME		Certificato Material Certif.	

K20T

K20R

Notified Body
Identification No.
1131

MATERIALI DI COSTRUZIONE / Materials of construction				
54	DISPOSITIVO DI BLOCCAGGIO	LOOKING DEVICE	ANSI 304	ANSI 304
43	PACCO A "V"	CHEVRON PACKING	P.T.F.E.	P.T.F.E.
16	RONDELLA REGGIPANTA	THRUST WASHER	ANSI 304	ANSI 304
11	DADO/CONTRODADO	LOCK NUT	ANSI 304	ANSI 304
10	LEVA	LEVER	ANSI 304	ANSI 304
09	PREGUARIZIONE	GLAND	ANSI 304	ANSI 304
08	* BUSSOLA	WASHER	P.T.F.E.	P.T.F.E.
07	* GUARNIZIONE CORPO	BODY GASKET	P.T.F.E.	P.T.F.E.
06	* SEGI	SEATS	P.T.F.E.	P.T.F.E.
05	* SFERA	BALL	ASTM A351 CF8M	ASTM A351 CF8M
04	* STELO	STEM	A82 F306	A82 F306
03	* CHIUSURA CORPO	GLOSURE BODY	ASTM A216 WCB ASTM A216 NCB	ASTM A351 CF8M ASTM A351 CF8M
POS.	PARTICOLARI	PART NAME		
Notes Spores				
				Material Certificate to EN ISO 9001

ALFA K201				ALFA K20R				
DIMENSIONI - DIMENSIONS - ABMESSUNGEN				DIMENSIONI - DIMENSIONS - ABMESSUNGEN				
DN	32	40	50	DN	32	40	50	
	1 1/4"	1 1/2"	1 3/4"		1 1/4"	1 1/2"	1 3/4"	
ø	32	38	50	ø	32	38	50	
ø _e	32	32	32	ø _e	32	32	32	
L	1	154	105	L	1	118	85	102
M	5	56	125	M	5	56	125	
H	83	96	102	H	5	56	66	72
K ₈	130	22	3.3	K ₈	0.7	0.95	1.5	

DIMENSIONI - DIMENSIONS - DIMENSIONS - ABMESSUNGEN

DN	32	40	50
Ø	1 1/4"	1 1/2"	2"
WE	20	25	32
L	78	85	102
H	115	127	127
H	58	66	72
Kg.	0.7	0.95	1.5

2

ϕ	$11/2^\circ$	$11/2^\circ$	2°
ϕE	20	25	32
L	78	85	102
N	115	127	127
N	58	66	72
K ₀	0.7	0.95	1.5

402

L	78	85	102
M	115	127	127
H	56	66	72
Kg.	0.7	0.95	1.5

A K

H	115	127	127
H	58	66	72
Kg	0.7	0.95	1.5

 $V = T$

Kg	0.7	0.95	1.5
----	-----	------	-----

Y

1

1

10

1

LUNTI DI IMPRESO / Use Limits					
MODELLO Model	ALFA K20 R/T RS 5351 1000 psi.				
	DIAMETRO NOMINALE / Nominal Size	32 - 50			
	Pressione Prova Corpo Barri Body Test Press. barri	103			
	Pressione Progetto Corpo Tumb. Barri Body Design Pressure Tumb. barri	69			
	Pressione Progetto Sodi Tumb. Barri Sodi Design Pressure Tumb. barri	69			
	Pressione Max. Esportabile Tumb. Barri Maximum Working Press. Tumb. barri	4			
	Pressione Progetto PS Barri Design Pressure PS barri	69			
	Temperatura Max. TS PO Max. Working Temperature TS PO	80°C			
	Temperatura Min. TSmin PO Min. Working Temperature TSmin PO	-25°C per A1% WCB con controllo della tenacità qualora il valore TR sia inferiore a 21°C -40°C per corpi inox senza controllo della tenacità			
	Temp. Verifica Realizzata TR PO Temp. of Impact Test Verification TR PO	In accordo LSP/ESL, Raccolla M e Tab.MA.2 e EN 13445-2 According LSP/ESL, Code Case M or EN 13445-2			
ESTRINSECA End Connections		NPT ANSI B1.20.1 /	GAS UNI ISO 228/1a		
SCARICAMENTI Face to Face		Standard Interno Internal Standard			

[illegible]

OC20154.26

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

MODIFICHE

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

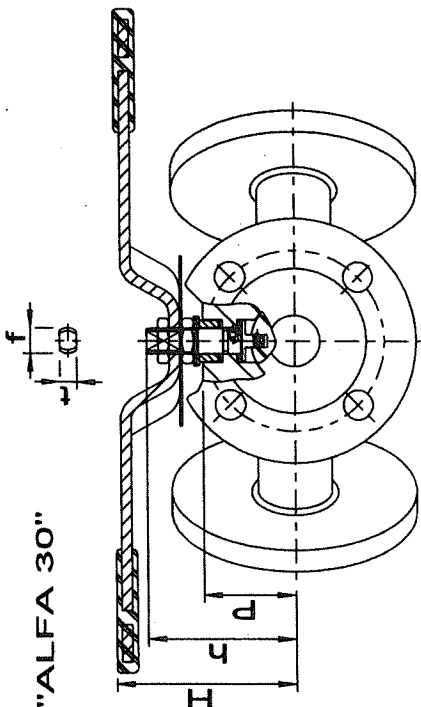
DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

DATA	FIRM.	NOME	Cognome	DATA	FIRM.	NOME	Cognome

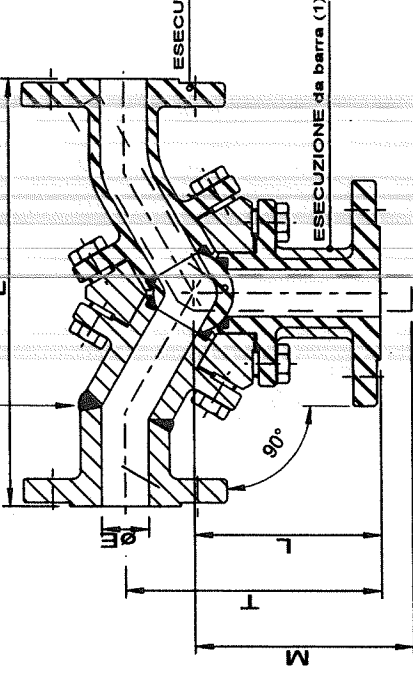
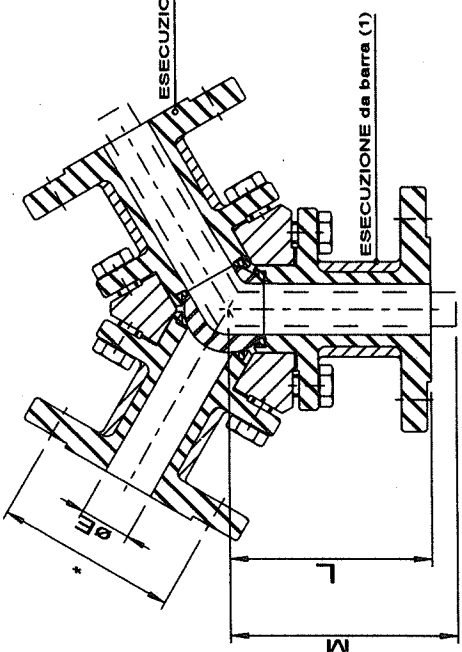
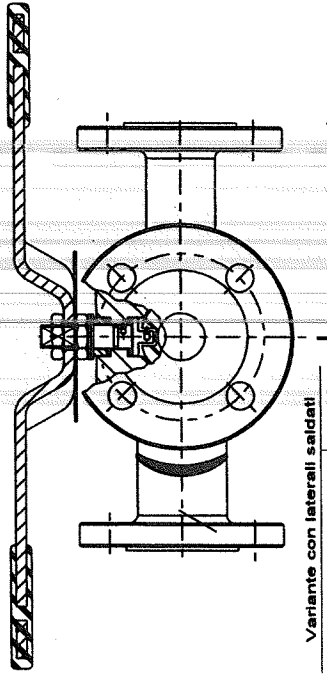
DATA	FIRM.	NOME	Cognome	DATA	
------	-------	------	---------	------	--

0C20154.26

"ALFA 30"



"ALFA 32"



ESECUZIONE da fusione (2)



Notified Body
Identification No.
0948

"ALFA 30"

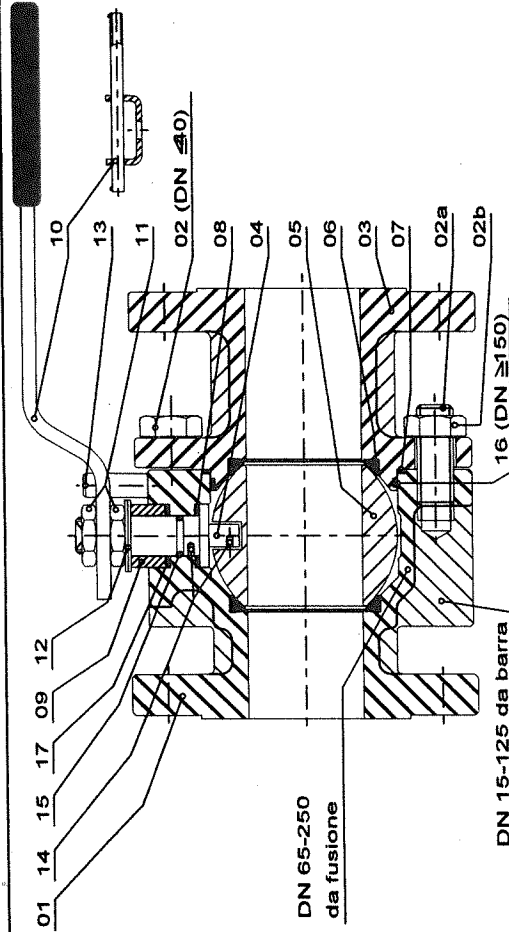
DIMENSIONI - DIMENSIONS - ABMESSUNGEN		32	40	50	65	80	100	125	150	200	250	300	350R
DN		1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
Ø"		29	38	48	64	76	95	118	152	200	250	300	300
L		100	110	120	140	150	165	195	220	250	310	400	400
M		180	275	380	380	440	440	440	440	440	440	440	440
H		86	116	124	139	144	185	209	264	319	348	348	348
P		44	55	70	81	86	103	113.5	144	202	270.5	270.5	270.5
W		12/8	16/10	16/10	22/14	22/14	30/18	30/18	45/30	52/30	52/30	52/30	52/30
Kg		1	10	12	17	30	36	48	72	95	180	230	410

"ALFA 32"

DIMENSIONI - DIMENSIONS - ABMESSUNGEN		32	40	50	65	80	100	125	150	200	250	300	350R
DN		1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
Ø"		29	38	48	64	76	95	118	152	200	250	300	300
L		100	110	120	140	150	165	195	220	250	310	400	400
M		180	275	380	380	440	440	440	440	440	440	440	440
H		86	116	124	139	144	185	209	264	319	348	348	348
P		44	55	70	81	86	103	113.5	144	202	270.5	270.5	270.5
W		12/8	16/10	16/10	22/14	22/14	30/18	30/18	45/30	52/30	52/30	52/30	52/30
Kg		1	13	15	19	34	40	55	80	95	160	230	410

0C20154.26

1	18/06/15	Modifica generale	2	24/02/17	Aggiornamento normal. e nat. valv.
0	24/06/02	Prima emissione			
MOD.	DATA	PRIMA	MOD.	DATA	PRIMA
MODIFICHE					
DISEGNO					
DISEGNATO/CONTROLLATO APPROVATO					
PESO					
SUPERFICIE					
DESCRIZIONE					
DISEGNO RAPPRESENTATIVO DELLA FAMIGLIA VALVOLE SPLIT BODY 3 VIE FLOTTANTI					
REPRESENTATIVE DRAWING OF 3 WAYS SPLIT BODY FLOATING BALL VALVES					
SCALA					
DIS. N°					
S4734					
Sh. 3 of 3					
AV ALFA VALVOLE					
A Unit of IDEX Corporation					



DN 65-250
da fusione

FLUIDI E CATEGORIA
Fluids and Category
INCENDIO ESTERNO/Category
EXTERNAL FIRE
CONTROLO EMISSIONE/Leakage
Control Emission
COLLAUDO FINALE/Final Test
Final Test
CARICHI SIMULTANEI/Concurrent
Loads
CARICHI DA VENTO / TERREMOTO
Wind / Earthquake Loads
FATICA DA AVVIAMENTI/Start
Pressure Cycling Fatigue
FATICA DA OSCILLAZIONI DI PRESS.
Pressure Oscillation Fatigue
NUMERO MAX. ORE DI ESERCIZIO
Valve Life

Liquidi e Gas Gruppo 1 (Pericolosi) Dir. 2014/68/UE "PED", art. 13 - CATEGORIA III

API Spec. 6FA II Ed. / API Std. 607 III Ed. / BS6755 Part 2

TALUFT

BS EN ISO 172921 / API6D / ANSI B16.104 / EN 12269-1

Pressione, Flessione delle Linee, Carichi Assiali dalle Linee

Inside Pressure, Bending, Axial Load from Piping

Non Applicabili in forza a ASME III Subsect.NB

Not Applicable according to ASME III Subsect.NB

Non Applicabili in forza a ASME III Subsect.NB

Not Applicable according to ASME III Subsect.NB

Non Applicabili in forza a ASME III Subsect.NB

Not Applicable according to ASME III Subsect.NB

Funzione delle reali condizioni di esercizio ma non superiore a:

Function of actual working conditions but not longer than:

- 100.000 ore con interventi periodici / hours with periodic interventions

- 1.500 cicli pressurizzazione-depressurizzazione per corpi in acciaio al carbonio

- cycles of valve pressurizing and de-pressurizing with carbon steel bodies

- 13.000 cicli pressurizzazione-depressurizzazione per corpi in acciaio inossidabile

- cycles of valve pressurizing and de-pressurizing with stainless steel bodies

- 50.000 cicli di apertura-chiusura / open-close cycles

MATERIALI DI COSTRUZIONE / Materials of construction	
17	* BUSSOLA ESTERNA/EXTERNAL WASHER P.T.F.E.
16	* O-RING CORPO BODY O-RING VITON
15	* O-RING STELO STEM O-RING VITON
14	* DISP. ANTISTATIC/ANTISTATIC DEVICES AISI 316
13	* DISP. D'ARRESTO/STOP DEVICE AISI 316
12	* MOLLA A TAZZA SPRING WASHER AISI 316
11	* DADO/CONTROL/LOCK NUT A4-70
10	* LEVA LEVER S235JR EN 10025-2 zincata
09	* PREMGUARNIZIONE/INTERNAL WASHER P.T.F.E.
08	* BUSSOLA INTERNA/INTERNAL WASHER P.T.F.E.
07	* GUARNIZIONE CORPO BODY GASKET P.T.F.E.
06	* SEDI SEATS P.T.F.E. / P.T.F.E. + grafito / P.T.F.E. + A.M. DEVILON (DN 100) PEEK (DN 50)
05	* SFERA BALL ASTM A479 Tp.316 ASTM A351 CF8M
04	* STELO STEM ASTM A182 F51 ASTM A182 F51 ASTM A564 Tp.630 (17-4 PH)
02	* VITE CORPO SCREW ASTM A193 B8M / A194 Gr.8M DN > 40
03	* CHIUSURA CORPO BODY ASTM A479 Tp.316L ASTM A479 Tp.316L ASTM A351 CF8M
POS	* RICAMBI SPARES

00C20154.2

ANSI B16.34 / ASME VIII DIV.1
ANSI B16.34 / API 6D / BS EN ISO 17292
SPESORI/Thickness
DIMENSIONI/Base Dimensions

MODELLO Model	ALFA 64 DN 80	ALFA 60 DN 80	ALFA 60 DN 80	ALFA 60 DN 80	ALFA 615	ALFA 625
DIAMETRI NOMINALI/Nominal Sizes	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN150 (ALFA 615) ANSI 1500 (ALFA 615)	PN150 (ALFA 625) ANSI 1500 (ALFA 625)
Press. Progetto Corpo e Tamb. (bar) Body Design Press. at amb. Temp.	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN150 (ALFA 615) ANSI 1500 (ALFA 615)	PN150 (ALFA 625) ANSI 1500 (ALFA 625)
Press. Progetto Corpo e Tamb. (bar) Body Design Press. at amb. Temp.	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN150 (ALFA 615) ANSI 1500 (ALFA 615)	PN150 (ALFA 625) ANSI 1500 (ALFA 625)
Pressione Max. Esercizio Maximum Working Press. and Design Press. at max. Temp. (bar)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN150 (ALFA 615) ANSI 1500 (ALFA 615)	PN150 (ALFA 625) ANSI 1500 (ALFA 625)
Pressione Collaudi Istantanei Instantaneous Test Pressure	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN10-16-25-40 PN150 (ALFA 64) ANSI 150 (ALFA 60)	PN150 (ALFA 615) ANSI 1500 (ALFA 615)	PN150 (ALFA 625) ANSI 1500 (ALFA 625)
Temperature Max. T _{min} (°C) Max. Working Temperature	150 - 250 150 - 250 150 - 250	150 - 250 150 - 250 150 - 250	150 - 250 150 - 250 150 - 250	150 - 250 150 - 250 150 - 250	150 - 250 150 - 250 150 - 250	150 - 250 150 - 250 150 - 250
Temperature Min. T _{min} (°C) Min. Working Temperature	150 - 250 150 - 250 150 - 250	150 - 250 150 - 250 150 - 250	150 - 250 150 - 250 150 - 250	150 - 250 150 - 250 150 - 250	150 - 250 150 - 250 150 - 250	150 - 250 150 - 250 150 - 250

con controllo della tensione a temperatura TR quando inferiore a 21°C
with impact test at temperature TR when lower of 21°C
-40°C per corpi inox senza controllo della tensione
-40°C per A350LF2 Classe 2 / A352 LCB
-70°C per corpi inox senza controllo della tensione
-70°C per A350LF2 Classe 2 / A352 LCB

In Accordo alla Normativa EN13445-2 per 4.1.6 e Annex B
According to the Standard EN13445-2 per 4.1.6 and Annex B

ANSI B16.5
EN 1092-1

ESTREMITA' FLANGIATE
Flanged Ends

RISALTO FLANGE DI ESTREMITA' ANSI B16.5 RF - LF/SF - LM/SM - LG/SG - LT/ST
EN 1092-1
Type A (Flat Face), Type B1 & B2 (Raised Face)
Type C (Tongue), Type D (Groove)
Type E (Spigot), Type F (Recess)

ESTREMITA' A SALDARE
Welding Ends

SCARTAMENTI
Face to Face

ATTACCO ATTUATORE/Actuator Drilling ISO 5211

COMANDO
Operator

REDUTTORE MANUALE/Reducer

SOVRASPESSORE per CORROSIONE (solo valvole acciaio al carbonio / carbon steel only)
Corrosion overthickness



Notified Body
Identification No.
0948

MODIFICHE
MODIFICATIONS

MOD.	DATA	REDA	NOTE
1	01/10/15		Modifica generale
2	01/12/17		Prima emissione

APPROVATO
APPROVED

DISSEGNO
DIMOSTRATIVO

PESO
SUPERFICIE

DESCRIZIONE
DESCRIZIONE

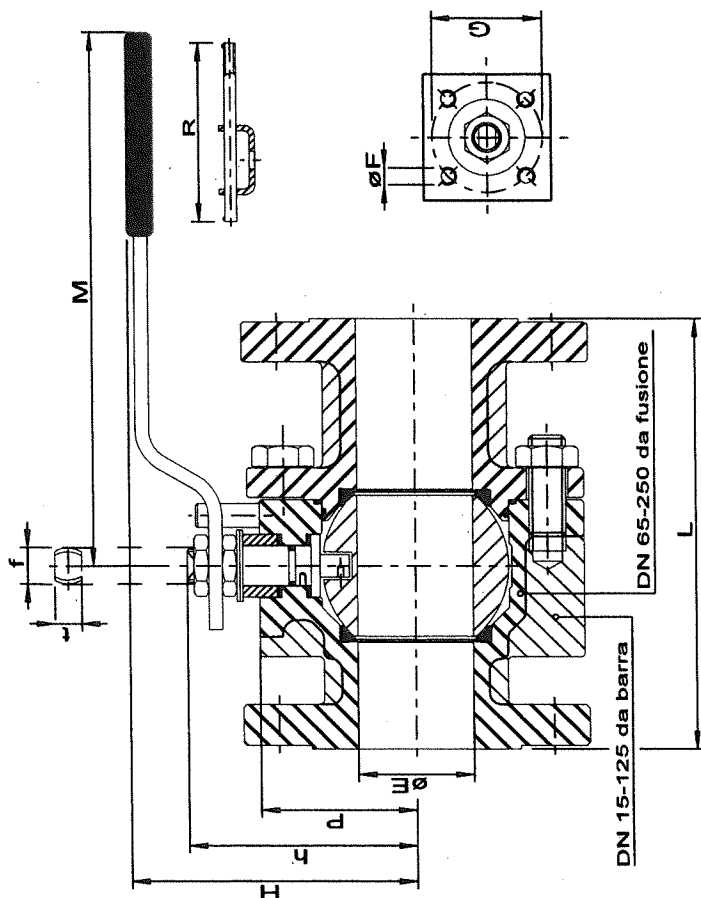
REPRESENTATIVE DRAWING OF SPLIT BODY FLOATING BALL VALVES

ALFA VALVOLE
A Unit of IDEX Corporation

DIS. N°
S3847

Sh. 1 of 4

DIMENSIONI - DIMENSIONS - DIMENSIONS - ABMESSUNGEN



DN	32	40	50	65	80	100	125	150	200	250
Ø	1 1/8"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"
Ø*	29	38	51	64	76	102	118	152	203	250
L	140	165	203/178	180	241/203/305/229	254	394	457	533	-/-
M/R	180/-	275/-	380/-	380/-	440/500/440/500	-	-	-	-	-
H	90	118	128	139	144	200	212	265	320	-/-
h	73	96	103	122	128	167	167	220	270	300
P	48	63	68.5	82	88.5	111	120	153	200	224
W	12/8	16/10	16/10	22/14	22/14	30/18	30/18	45/30	52/30	52/30
Kg	7	11	15	22	26	48	60	80	110	155
(1) / (2)				F07	F07	F10	F10	F14	F14	F14
ISO 521F	F03	F05	F05	M8	M8	M10	M10	M16	M16	M16
Ø1/2"	M5	M6	M6	40	40	40	40	20	20	20
PN	40	40	40	70	70	102	102	140	140	140
G	36	50	50	70	70	102	102	140	140	140

ALFA 64 ANS150
PN10/16/25/40

DN	32	40	50	65	80	100	125	150	200	250
Ø	1.1/2"	2"	2.1/2"	3"	4"	5"	6"	8"	10"	
ØE	29	38	51	64	78	102	118	152	203	
L	130	140	160	170	180	190	325	350	400	
DN 3202	F4	F4	F4	F4	F4	F4	F5	F5	F5	
M/R	275/-	275/-	380/-	380/-	440/500	440/500	-800	-800	-800	
H	90	118	128	139	148	200	212	265	320	
h	73	96	103	122	128	157	167	220	270	
p	48	63	68.5	82	88.5	111	120	153	200	
l	12/8	16/10	16/10	22/14	22/14	30/18	30/18	45/30	52/30	
kg	8.8	10.5	15.5	21	25	38	60	70	105	
(1)/(2)	F03	F05	F05	F07	F07	F10	F10	F14	F14	
ØF 5211	M5	M8	M8	M8	M8	M10	M10	M16	M16	
G	36	50	50	70	70	102	140	140	140	
PN	40	40	40	40	40	18	16	16	16	

ALFA 68 PN10/40

DN	32	40	50	65	80	100	125	150
$\varnothing$	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
$\varnothing$ E	29	38	51	64	76	102	118	152
L	178	181	216	241	283	305	381	403
M/R	180/-	275/-	275/-	380/-	380/-	440/500	440/500	-/800
h	90	118	128	139	144	200	212	285
h	93	96	103	122	128	157	167	220
P	46	63	68.5	82	88.5	111	120	153
Mg	12/8	16/10	16/10	22/14	22/14	30/18	30/18	45/30
Kg	8	13.5	18	25	38	65	72	105
(1) / (2)							47	60
ISO 5211	F03	F05	F05	F07	F07	F10	F10	F14
$\varnothing$ F	M5	M6	M6	M8	M8	M10	M10	M16
G	36	50	50	70	70	102	102	140

ALFA 60 ANS1300

DN	40	50	65	80	100	150
Ø -	1 1/2"	2"	2 1/2"	3"	4"	6"
Ø E	32	51	64	76	102	152
L	241	292	330	356	432	559
M/R	380/	440/500	440/500	440/500	4800	4800
H	135	146	180	185	236	282
h	104	115	136	141	181	218
p	65	75	90	95	124	182
W	22/14	22/14	30/18	30/18	45/30	52/30
Kg	19.5	28	35	49	127	246
(1) / (2)						
SO 5211	F07	F07	F10	F10	F14	F14
Ø F	M8	M8	M10	M10	M16	M16
G	70	70	102	102	140	140
Q34					63	51

ALFA 606 ANS1600-PN100

DN	40
Ø"	1 1/2"
ØE	38
L	305
M/R	380/-
H	125
h	104
p	65
f/r	22/14
Kg	26
(1) / (2)	
SO 5211	F07
ØF	M8
G	70
PN	

ALFA 609 ANS1900-PN160
ALFA 615 ANS11500-PN250

DN	40
Ø"	1 1/2"
ØE	29
L	384
M/R	380/-
H	166
h	94
P	61
f/r	22/14
Kg	32
(1)/(2)	
SO 5211	F07
ØF	M8
G	70
PN	

ALFA 625 ANS12500

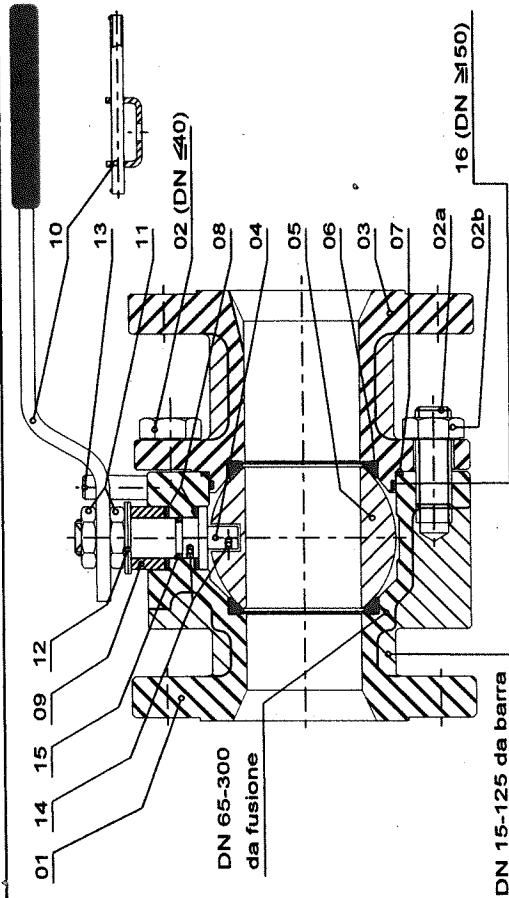
0C20154.26



Notified Body
Identification No.

0948

1 09/01/15 0 04/12/201		Modifica Generale Firma autografa		2 13/02/17		Aggiornato materiali valvole		NOTE	
DATA	DATA	FIRMA	FIRMA	DATA	DATA	FIRMA	FIRMA	NOTE	
MODIFICHE									
DESIGNATO 13/02/17 F.P.		CONTROLLO 14/02/17 M.G.		DISEGNO DIMOSTRATIVO				PESO SUPERFICIE	
DATA FIRMA		DATA G.M.		DESCRIZIONE				PESO	
DISEGNO RAPPRESENTATIVO DELLA FAMIGLIA VALVOLE SPLIT BODY FLOTTANTI				RAPPRESENTATIVE DRAWING OF SPLIT BODY FLOATING BALL VALVES					
 A Unit of IDEX Corporation				SCALA ---		DIS. N° S3847		Sh. 2 of 4	



01 14 15 09 12

10

13

11

02 (DN 40)

08

04

05

06

03

07

02a

02b

16 (DN 15-125)

DN 65-300 da fusione

DN 15-125 da barra

FLUIDI E CATEGORIA
Fluids and Category

INCENDIO ESTERNO
External Fire

CONTROLO EMISSIONI
Emissions Control

COLLAUDO FINALE
Final Test

CARICHI MULTIANI
Simultaneous loading

CARICHI DA VENTO / TERREMOTO
Earthquake / Wind Loads

FATICA DA AVVIAMENTI
Pressure Cycling Fatigue

FATICA DA OSCILLAZIONI DI PRESS.
Pressure Oscillation Fatigue

NUMERO MAX. ORE DI ESERCIZIO
Valve Life

1.500 cicli pressurizzazione-depressurizzazione per cont. in acciaio al carbonio
1,500 cycles pressurization-depressurization for conf. in carbon steel bodies

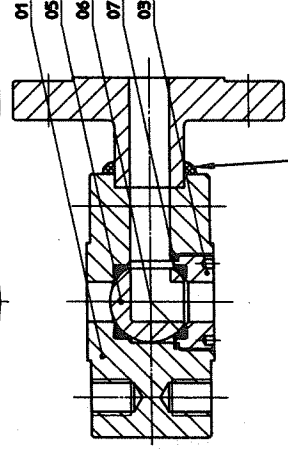
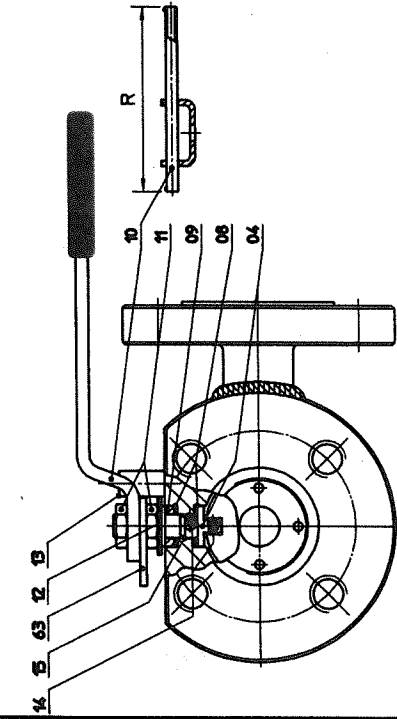
13.000 cicli pressurizzazione-depressurizzazione per cont. in acciaio inossidabile
13,000 cycles pressurization-depressurization for conf. in stainless steel bodies

50.000 cicli di apertura-chiusura / open-close cycles

MATERIALI DI COSTRUZIONE / Materials of construction	
17	BUSSOLA ESTERNA WASH. R.F.E.
18	O-RING CORPO BODY O-RING
19	O-RING STELO STEM O-RING
20	DISP. ANTISTATICI STATIC DEVICES
21	DISP. D'ARRESTO STOP DEVICES
22	MOLLA A TAZZA SPRING WASHER
23	DADO/CONTROL NUT LOCK NUT
24	LEVA LEVER
25	PREMIGUARNIZIONE ISLAND
26	BUSSOLA INTERNA WASH. R.F.E.
27	GUARNIZIONE CORPO BODY GASKET
28	SEDI SEATS
29	SFERA BALL
30	STEM STEM
31	VITE CORPO SCREW
32	CHIUSURA CORPO CLOSURE BODY
33	PARTICOLARE PART NAME

LIMITI DI IMPIEGO / Use Limits	
ALFA 54	ALFA 56
ALFA 58 DN 60	ALFA 58 DN 60
PN10-16-25-40	PN25 PN40
ANSI 150 (ALFA 60)	ANSI 300 (ALFA 60)
40 - 300	40 - 200
PN10 - 10	PN16 - 16
PN16 - 16	PN25 - 25
PN25 - 25	PN40 - 40
PN40 - 40	PN60 - 60
PN60 - 60	PN80 - 80
PN80 - 80	PN100 - 100
PN100 - 100	PN150 - 150
PN150 - 150	PN200 - 200
PN200 - 200	PN250 - 250
PN250 - 250	PN300 - 300
PN300 - 300	PN350 - 350
PN350 - 350	PN400 - 400
PN400 - 400	PN450 - 450
PN450 - 450	PN500 - 500
PN500 - 500	PN550 - 550
PN550 - 550	PN600 - 600
PN600 - 600	PN650 - 650
PN650 - 650	PN700 - 700
PN700 - 700	PN750 - 750
PN750 - 750	PN800 - 800
PN800 - 800	PN850 - 850
PN850 - 850	PN900 - 900
PN900 - 900	PN950 - 950
PN950 - 950	PN1000 - 1000
PN1000 - 1000	PN1050 - 1050
PN1050 - 1050	PN1100 - 1100
PN1100 - 1100	PN1150 - 1150
PN1150 - 1150	PN1200 - 1200
PN1200 - 1200	PN1250 - 1250
PN1250 - 1250	PN1300 - 1300
PN1300 - 1300	PN1350 - 1350
PN1350 - 1350	PN1400 - 1400
PN1400 - 1400	PN1450 - 1450
PN1450 - 1450	PN1500 - 1500
PN1500 - 1500	PN1550 - 1550
PN1550 - 1550	PN1600 - 1600
PN1600 - 1600	PN1650 - 1650
PN1650 - 1650	PN1700 - 1700
PN1700 - 1700	PN1750 - 1750
PN1750 - 1750	PN1800 - 1800
PN1800 - 1800	PN1850 - 1850
PN1850 - 1850	PN1900 - 1900
PN1900 - 1900	PN1950 - 1950
PN1950 - 1950	PN2000 - 2000
PN2000 - 2000	PN2050 - 2050
PN2050 - 2050	PN2100 - 2100
PN2100 - 2100	PN2150 - 2150
PN2150 - 2150	PN2200 - 2200
PN2200 - 2200	PN2250 - 2250
PN2250 - 2250	PN2300 - 2300
PN2300 - 2300	PN2350 - 2350
PN2350 - 2350	PN2400 - 2400
PN2400 - 2400	PN2450 - 2450
PN2450 - 2450	PN2500 - 2500
PN2500 - 2500	PN2550 - 2550
PN2550 - 2550	PN2600 - 2600
PN2600 - 2600	PN2650 - 2650
PN2650 - 2650	PN2700 - 2700
PN2700 - 2700	PN2750 - 2750
PN2750 - 2750	PN2800 - 2800
PN2800 - 2800	PN2850 - 2850
PN2850 - 2850	PN2900 - 2900
PN2900 - 2900	PN2950 - 2950
PN2950 - 2950	PN3000 - 3000
PN3000 - 3000	PN3050 - 3050
PN3050 - 3050	PN3100 - 3100
PN3100 - 3100	PN3150 - 3150
PN3150 - 3150	PN3200 - 3200
PN3200 - 3200	PN3250 - 3250
PN3250 - 3250	PN3300 - 3300
PN3300 - 3300	PN3350 - 3350
PN3350 - 3350	PN3400 - 3400
PN3400 - 3400	PN3450 - 3450
PN3450 - 3450	PN3500 - 3500
PN3500 - 3500	PN3550 - 3550
PN3550 - 3550	PN3600 - 3600
PN3600 - 3600	PN3650 - 3650
PN3650 - 3650	PN3700 - 3700
PN3700 - 3700	PN3750 - 3750
PN3750 - 3750	PN3800 - 3800
PN3800 - 3800	PN3850 - 3850
PN3850 - 3850	PN3900 - 3900
PN3900 - 3900	PN3950 - 3950
PN3950 - 3950	PN4000 - 4000
PN4000 - 4000	PN4050 - 4050
PN4050 - 4050	PN4100 - 4100
PN4100 - 4100	PN4150 - 4150
PN4150 - 4150	PN4200 - 4200
PN4200 - 4200	PN4250 - 4250
PN4250 - 4250	PN4300 - 4300
PN4300 - 4300	PN4350 - 4350
PN4350 - 4350	PN4400 - 4400
PN4400 - 4400	PN4450 - 4450
PN4450 - 4450	PN4500 - 4500
PN4500 - 4500	PN4550 - 4550
PN4550 - 4550	PN4600 - 4600
PN4600 - 4600	PN4650 - 4650
PN4650 - 4650	PN4700 - 4700
PN4700 - 4700	PN4750 - 4750
PN4750 - 4750	PN4800 - 4800
PN4800 - 4800	PN4850 - 4850
PN4850 - 4850	PN4900 - 4900
PN4900 - 4900	PN4950 - 4950
PN4950 - 4950	PN5000 - 5000
PN5000 - 5000	PN5050 - 5050
PN5050 - 5050	PN5100 - 5100
PN5100 - 5100	PN5150 - 5150
PN5150 - 5150	PN5200 - 5200
PN5200 - 5200	PN5250 - 5250
PN5250 - 5250	PN5300 - 5300
PN5300 - 5300	PN5350 - 5350
PN5350 - 5350	PN5400 - 5400
PN5400 - 5400	PN5450 - 5450
PN5450 - 5450	PN5500 - 5500
PN5500 - 5500	PN5550 - 5550
PN5550 - 5550	PN5600 - 5600
PN5600 - 5600	PN5650 - 5650
PN5650 - 5650	PN5700 - 5700
PN5700 - 5700	PN5750 - 5750
PN5750 - 5750	PN5800 - 5800
PN5800 - 5800	PN5850 - 5850
PN5850 - 5850	PN5900 - 5900
PN5900 - 5900	PN5950 - 5950
PN5950 - 5950	PN6000 - 6000
PN6000 - 6000	PN6050 - 6050
PN6050 - 6050	PN6100 - 6100
PN6100 - 6100	PN6150 - 6150
PN6150 - 6150	PN6200 - 6200
PN6200 - 6200	PN6250 - 6250
PN6250 - 6250	PN6300 - 6300
PN6300 - 6300	PN6350 - 6350
PN6350 - 6350	PN6400 - 6400
PN6400 - 6400	PN6450 - 6450
PN6450 - 6450	PN6500 - 6500
PN6500 - 6500	PN6550 - 6550
PN6550 - 6550	PN6600 - 6600
PN6600 - 6600	PN6650 - 6650
PN6650 - 6650	PN6700 - 6700
PN6700 - 6700	PN6750 - 6750
PN6750 - 6750	PN6800 - 6800
PN6800 - 6800	PN6850 - 6850
PN6850 - 6850	PN6900 - 6900
PN6900 - 6900	PN6950 - 6950
PN6950 - 6950	PN7000 - 7000
PN7000 - 7000	PN7050 - 7050
PN7050 - 7050	PN7100 - 7100
PN7100 - 7100	PN7150 - 7150
PN7150 - 7150	PN7200 - 7200
PN7200 - 7200	PN7250 - 7250
PN7250 - 7250	PN7300 - 7300
PN7300 - 7300	PN7350 - 7350
PN7350 - 7350	PN7400 - 7400
PN7400 - 7400	PN7450 - 7450
PN7450 - 7450	PN7500 - 7500
PN7500 - 7500	PN7550 - 7550
PN7550 - 7550	PN7600 - 7600
PN7600 - 7600	PN7650 - 7650
PN7650 - 7650	PN7700 - 7700
PN7700 - 7700	PN7750 - 7750
PN7750 - 7750	PN7800 - 7800
PN7800 - 7800	PN7850 - 7850
PN7850 - 7850	PN7900 - 7900
PN7900 - 7900	PN7950 - 7950
PN7950 - 7950	PN8000 - 8000
PN8000 - 8000	PN8050 - 8050
PN8050 - 8050	PN8100 - 8100
PN8100 - 8100	PN8150 - 8150
PN8150 - 8150	PN8200 - 8200
PN8200 - 8200	PN8250 - 8250
PN8250 - 8250	PN8300 - 8300
PN8300 - 8300	PN8350 - 8350
PN8350 - 8350	PN8400 - 8400
PN8400 - 8400	PN8450 - 8450
PN8450 - 8450	PN8500 - 8500
PN8500 - 8500	PN8550 - 8550
PN8550 - 8550	PN8600 - 8600
PN8600 - 8600	PN8650 - 8650
PN8650 - 8650	PN8700 - 8700
PN8700 - 8700	PN8750 - 8750
PN8750 - 8750	PN8800 - 8800
PN8800 - 8800	PN8850 - 8850
PN8850 - 8850	PN8900 - 8900
PN8900 - 8900	PN8950 - 8950
PN8950 - 8950	PN9000 - 9000
PN9000 - 9000	PN9050 - 9050
PN9050 - 9050	PN9100 - 9100
PN9100 - 9100	PN9150 - 9150
PN9150 - 9150	PN9200 - 9200
PN9200 - 9200	PN9250 - 9250
PN9250 - 9250	PN9300 - 9300
PN9300 - 9300	PN9350 - 9350
PN9350 - 9350	PN9400 - 9400
PN9400 - 9400	PN9450 - 9450
PN9450 - 9450	PN9500 - 9500
PN9500 - 9500	PN9550 - 9550
PN9550 - 9550	PN9600 - 9600
PN9600 - 9600	PN9650 - 9650
PN9650 - 9650	PN9700 - 9700
PN9700 - 9700	PN9750 - 9750
PN9750 - 9750	PN9800 - 9800
PN9800 - 9800	PN9850 - 9850
PN9850 - 9850	PN9900 - 9900
PN9900 - 9900	PN9950 - 9950
PN9950 - 9950	PN10000 - 10000

LIMITI DI IMPIEGO / Use Limits											
ALFA 54 ALFA 56 DN 60	ALFA 50 ALFA 56 DN 60	ALFA 506 ALFA 509	ALFA 515								
PN10-16-25-40 ANSI150 (ALFA60)	PN25 PN40 ANSI300 (ALFA60)	PN160 ANSI600	PN250 ANSI1500								
40 - 300	40 - 200	40 - 150	40								
PN10 - 10 PN16 - 16 PN25 - 25 (20 DN 1150)	PN40 - 40 ANSI 300 - 51	PN63 - 64 51 DN 1150	PN250 - 250 ANSI 1500 - 255								
40 DN 80 25 DN 100 20 DN 1150		ANSI 600 - 102 51 DN 1150									
ANSI 150 - 20											
PN10 - 10 PN16 - 16 PN25 - 25 PN40 - 40	PN25 - 25 PN40 - 40 ANSI 300 - 51	PN63 - 64 PN100 - 100 ANSI 600 - 102	PN250 - 250 ANSI 1500 - 255								
ANSI 150 - 20											
PN10/40 - 8 ANSI 150 - 8	PN25/40 - 8 ANSI 300 - 15	PN63/40 - 8 (64 DN 100 94 DN 100 51 DN 150	PN250 - 225 ANSI 1500 - 220								
bar	bar										
1,5 volte la massima Pressione di esercizio Nominale (valvole PN) o di Classe a Temperatura Ambiente 1,5 times the Nominal Pressure (PN valves) or Ambient Temperature rated Pressure (Class valves)											
1 1/2" - 4" 240°C 5" - 6" 160°C 8" - 10" 120°C	1 1/2" - 4" 240°C 5" - 6" 160°C 8" - 10" 120°C	1 1/2" - 2" 240°C 2 1/4" - 3" 180°C	1 1/2" 150°C 1 1/2" 150°C								
-28°C per A105 -40°C per A350LF2 Classe 2 / A352 LCB -40°C per corpi inox senza controllo della tenacità -46°C per A350LF2 Classe 2 / A352 LCB -70°C per corpi inox senza controllo della tenacità											
In Accordo alla normativa EN13345-2 par. 4.1.8 e Annex B According to the Standard EN13345-2 par. 4.1.8 and Annex B											
ANSI B16.34 / ASME VIII DIV.1 ANSI B16.34 / API 6D / BS EN ISO 17292											
STREMITA' FLANGIATE Flanged Ends											
RISALTO FLANGE DI ESTREMITA' ANSIB16.5 RF - LF/RF - LM/SM - LQ/SG - LT/ST Ends Flange EN 1092-1 Type A (Flat Face), Type B1 & B2 (Raised Face) Type C (Tongue), Type D (Groove) Type E (Spigot), Type F (Recess)											
STREMITA' A SALDARE Welding Ends											
ANSI B16.10 EN 558-1 (con designazione FN) / EN 556-2 (con designazione per classe) DIN 3202 F4 / F5 / F1											
ATTACCO ATTUATORE/Drillings 5211											
ALFA 54 ALFA 56 PN10-16-25-40 ANSI150											
ALFA 50 ALFA 56 PN25 PN40 ANSI300											
DN 150 - 20 DN 150											
RIVOTTORE MANUAL/der											
OMANDO operator											
CORROSIONE Corrosion overthickness											
MODIFICHE											
DISEGNO DIMOSTRATIVO											
PESO SUPERFICIE											
DESCRIZIONE DISEGNO RAPPRESENTATIVO DELLA FAMIGLIA VALVOLE SPLIT BODY FLOTTANTI											
RAPPRESENTATIVE DRAWING OF SPLIT BODY FLOATING BALL VALVES											
ALFA VALVOLE											
DIS. N° S3847											
Sh. 3 of 4											



SOLO PER VALVOLE DA BARRA:
Materiali 1.1/1.2:
 WPS 12/02 - POR 12/02 (ASME)
 WPS 01/12 - POR Z504-2012 (EN)
Materiali 8.1:
 WPS 01/10 - POR 0158-2010 R1 (EN)

[illegible]

MODELLO		ALFA 103		ALFA 103		ALFA 103	
Model		PN10-16-25-40		PN16-25-40		PN16-25-40	
		ANSI500		ANSI500		ANSI500	
DIMETRI MINIMALI / Minimal Sizes		32 - 50		32 - 50		32 - 50	
Pressione Max. Escalable Thick. Bar		40		51		102	
Maximum Working Press. Thick. Bar		6		15		30	
Pressione Max. Escalable Thick. Bar		44 DN ≤ 80		56		71 DN ≤ 80	
Maximum Working Press. Thick. Bar		22		22		21	
Pressione Progetto PS Bar		14"		14"		14"	
Design Pressure PS Bar		21° - 3°		21° - 3°		21° - 3°	
Temperature Max. TS °C		4° - 6°		4° - 6°		4° - 6°	
Max. Working Temperature TS °C		200°C		200°C		200°C	
Temperature Min. Thick. °C		-40°C		-40°C		-40°C	
Min. Working Temperature T Min °C		-40°C		-40°C		-40°C	
Temp. Min. Verifica Realizzata TR °C		-40°C		-40°C		-40°C	
Temp. of Impact Test Verification TR °C		-40°C		-40°C		-40°C	
SPERSONE / Thickness		ANSI B6.34 / API 60 / BS5551		ANSI B6.34 / API 60 / BS5551		ANSI B6.34 / API 60 / BS5551	
DIMENSIONI / Base Dimensions		ANSI B6.34		ANSI B6.34		ANSI B6.34	
Piegato Ende		EN 1092-1		EN 1092-1		EN 1092-1	
REALTA FLANGE DI ESTREMITA'		ANSI B6.34		ANSI B6.34		ANSI B6.34	
Facing		EN 1092-1		EN 1092-1		EN 1092-1	
SCARICAMENTI		STANDARD INTERNO		STANDARD INTERNO		STANDARD INTERNO	
Face to Face							
FLUID		Liquidi e Gas Gruppo 1 Pericolosi		Liquidi e Gas Gruppo 1 Pericolosi		Liquidi e Gas Gruppo 1 Pericolosi	
Media		Group 1 Dangerous		Group 1 Dangerous		Group 1 Dangerous	
ATTACCO ATTUATORE / Top Drilling		ISO 5211 / EN 12116		ISO 5211 / EN 12116		ISO 5211 / EN 12116	
ACERBIO ESTERNO / Fire Safe		Non Applicable		Non Applicable		Non Applicable	
CONTROLLO ERRORE / Error Control		TA-LUFT		TA-LUFT		TA-LUFT	
COLLAUDO FINALE / Final Test		Pressione, Flessione dalle Linee, Corrosione Asistita dalle Linee		Pressione, Flessione dalle Linee, Corrosione Asistita dalle Linee		Pressione, Flessione dalle Linee, Corrosione Asistita dalle Linee	
CARICHI SULL'UNITA'		Inerte Pressione, Bending, Axial Load from piping		Inerte Pressione, Bending, Axial Load from piping		Inerte Pressione, Bending, Axial Load from piping	
CARICHI DA VENTO / Wind Load		Non Applicabili in forza di ASME II Subsection B		Non Applicabili in forza di ASME II Subsection B		Non Applicabili in forza di ASME II Subsection B	
PATEA DA AVANZAMENTI		Non Applicabili in forza di ASME II Subsection B		Non Applicabili in forza di ASME II Subsection B		Non Applicabili in forza di ASME II Subsection B	
PATEA DA OSCILLAZIONI DI PRESS.		Non Applicabili in forza di ASME II Subsection B		Non Applicabili in forza di ASME II Subsection B		Non Applicabili in forza di ASME II Subsection B	
NUMERO MAX. ORE DI ESERCIZIO		Non Applicabili in forza di ASME II Subsection B		Non Applicabili in forza di ASME II Subsection B		Non Applicabili in forza di ASME II Subsection B	
Vita Life		Non Applicabili in forza di ASME II Subsection B		Non Applicabili in forza di ASME II Subsection B		Non Applicabili in forza di ASME II Subsection B	
SOPRA-PRESSORE PER CORROSIONE		Corrosion overpressure		Corrosion overpressure		Corrosion overpressure	

Notified Body
Identification No. **0948**

ALFA
VALV • LE . it

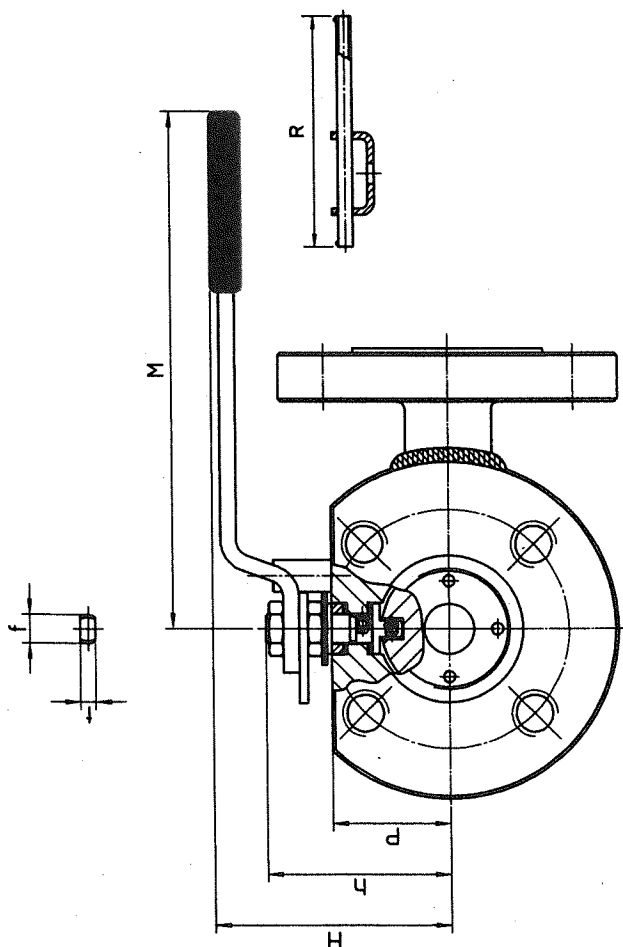
20010 CASOREZZO (Milano) - ITALIA -
VIALE DEL LAVORO, 19

Tel. 02.90296206 r.a. - Telefax 02.90296299
E-Mail: alfavalve@alfavalve.it

DN	32	40	50	65	80	100	125	150
ø"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	
øE	24	34	43	60	70	84	110	140
L	60	70	100	115	130	150	185	300
S	105	120	130	150	175	185	200	215
M/R	180/-	275/-	300/-	380/-	440/-	500/-	500/-	-1800
H	90	118	128	139	144	200	212	277
h	73	96	103	122	128	157	167	218
p	48	63	68.5	82	88.5	103	120	145
1/1	12/18	16/10	16/10	22/14	22/14	30/18	30/18	45/30
Kg	6	9	17	22	30	44	65	111
ISO 5211	P03	F05	F05	F07	F07	F10	F14	F14
øF	M5	M6	M6	M8	M8	M10	M16	M16
G	36	50	50	70	70	102	102	140

ANSI 150
PN 10-40

ALFA 103



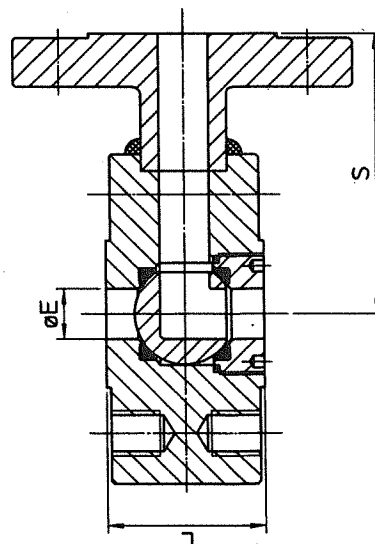
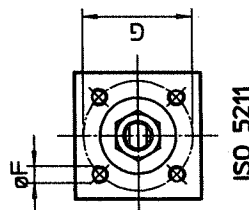
DN	32	40	50	65	80	100	125	150
ø"	1¼"	1½"	2"	2½"	3"	4"	5"	6"
øE	24	34	43	64	70	84	110	140
L	60	70	100	115	130	150	185	300
S	105	120	130	150	175	185	200	215
NR	180/1	275/1	275/1	380/1	380/1	440/500	440/500	-1800
H	90	118	128	139	144	200	212	277
h	75	98	103	122	128	157	167	218
P	48	63	66.5	82	88.5	103	120	148
1/1	12/18	16/10	16/10	22/14	22/14	30/18	30/18	45/30
Kg	6	9	17	22	30	44	65	125
ISO 5211	F03	F05	F05	F07	F07	F10	F10	F14
øF	M5	M6	M6	M8	M8	M10	M10	M16
øE	¾	50	50	70	70	102	102	140

ANSI Z39.48-1968
Z39.48-1968

ALFA 103

DN	40	50	60	100
ø	1 1/2"	2"	3"	4"
øE	34	43	70	84
L	100	130	130	185
S	120	130	175	220
WIR	275/-	380/-	-	-
H	18	28	44	200
h	96	103	128	157
P	63	70	89	1215
1/1	16/70	16/70	22/142	45/330
kg	10	18	32	110
ISO 5211	F05	F05	F07	F14
øF	N6	N6	N8	N16
ø	50	50	70	140
F	50	50	70	140

ALFA 103 ANSI 600



002015426



Notified Body
Identification No.

8760

[illegible]

Technical drawing of a valve assembly with dimensions and callouts. Callouts include: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Table with 2 columns: DIMENSIONI / Thickness and SPECIFICAZIONI / Specifications. It lists various parts of the valve assembly and their corresponding dimensions and specifications.

Table with 2 columns: DIMENSIONI / Thickness and SPECIFICAZIONI / Specifications. It lists various parts of the valve assembly and their corresponding dimensions and specifications.

Table with 2 columns: DIMENSIONI / Thickness and SPECIFICAZIONI / Specifications. It lists various parts of the valve assembly and their corresponding dimensions and specifications.

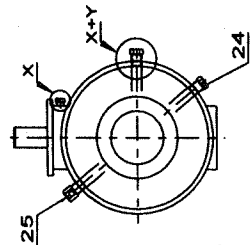
Table with 2 columns: DIMENSIONI / Thickness and SPECIFICAZIONI / Specifications. It lists various parts of the valve assembly and their corresponding dimensions and specifications.

Table with 2 columns: DIMENSIONI / Thickness and SPECIFICAZIONI / Specifications. It lists various parts of the valve assembly and their corresponding dimensions and specifications.

Table with 2 columns: DIMENSIONI / Thickness and SPECIFICAZIONI / Specifications. It lists various parts of the valve assembly and their corresponding dimensions and specifications.

Table with 2 columns: DIMENSIONI / Thickness and SPECIFICAZIONI / Specifications. It lists various parts of the valve assembly and their corresponding dimensions and specifications.

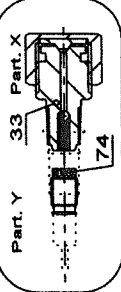
28 27 15 08a 29a 13b 04 29 30 11a 26 16 07 21



TIPO RB "Passaggio Ridotto"

TIPO FB "Passaggio Pieno"

INGROSSATORE (A RICHIESTA)
Sealant Injector (upon request)



Part. Y 33 Part. X

06a 05 19 18 17 14 22 23 01 20 02a 02a 03

MATERIALI DI COSTRUZIONE / Materials of construction

74	VALVOLA DI RITEGNO CHECK VALVE	ASTM A479 Tp-316	ASTM A105	2.2
33	INGROSSATORE INJECTOR	ASTM A479 Tp-316	ASTM A105	2.2
30	VITE FL. MOTORE ADAPTER PLATE SCREW EN ISO 3508-1	A2-70 EN ISO 3508-1	ASTM A350 LF2	—
28a	FL. MOTORE ADAPTER PLATE	ASTM A479 Tp-316	ASTM A350 LF2	—
26	FL. PREMITRECCIA GLAND PLATE	ASTM A479 Tp-316-316L	ASTM A350 LF2 ENP	3.1
26	O-RING PREMITRECCIA GLAND PLATE O-RING	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	ASTM A350 LF2 ENP	2.1
27	GUARN. PREMITRECCIA GLAND PLATE GASKET	GRAPHOIL	GRAPHOIL	2.1
26	RONDELLA STELO STEM WASHER	DU-DRY (C.S. + PTFE LINING)	DU-DRY (C.S. + PTFE LINING)	—
25	VALVOLA DI SFUGO VALVE	ASTM A479 Tp-316	ASTM A479 Tp-316	2.2
24	TAPPO DRENAGGIO DRAIN PLUG	ASTM A479 Tp-316	ASTM A479 Tp-316	2.2
23	BOCOOLA SFERA BALL BUSHING	DU-DRY (C.S. + PTFE LINING)	DU-DRY (C.S. + PTFE LINING)	—
22	VITE PERNO TRUNNION SCREW	A2-70 EN ISO 3508-1	A2-70 EN ISO 3508-1	2.2
21	O-RING SEGGIO SEAT O-RING	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	2.1
20	MOLLE SEGGIO SEAT SPRING	INCONEL X750	INCONEL X750	—
19	O-RING PERNO TRUNNION O-RING	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	2.1
18	GUARN. PERNO TRUNNION GASKET	GRAPHOIL	GRAPHOIL	2.1
17	PERNO TRUNNION	ASTM A479 Tp-316-316L	ASTM A350 LF2 ENP	3.1
16	O-RING CORPO BODY O-RING	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	2.1
15	O-RING STELO STEM O-RING	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	2.1
14	DISP. ANTISTATICO ANTISTATIC DEVICE	INCONEL X750	INCONEL X750	—
13b	CHIAVETTA KEY	EN 10083-2 C40	EN 10083-2 C40	—
11a	VITE PREMITRECCIA GLAND PLATE SCREW	A2-70 EN ISO 3508-1	A2-70 EN ISO 3508-1	—
08a	GUARN. STELO PACKING	GRAPHOIL	GRAPHOIL	2.1
07	GUARN. CORPO BODY GASKET	ASTM A479/A182 Tp-304 ENP	ASTM A479/A182 Tp-316 ENP	2.1
06a	SEGGIO SEAT RING	ASTM A479/A182 Tp-316-316L	ASTM A182 F51	2.1
05	SFERA BALL	INSERT: SINVECL CL. #600 DEVONPEEK CL. > 600	ASTM A105 ENP ASTM A350 LF2 ENP ASTM A182 F51	3.1
04	STELO STEM	ASTM A479 Tp-316-316L	ASTM A479 Tp-316-316L	3.1 / 3.2
02a 02b	TRANTE CORPO BODY STUD DADO TRANTE CORPO STUD NUTS	ASTM A193 B8M / A194 Gr. 8M ASTM A193 B8 / A194 Gr. 8	ASTM A193 B7 / A194 Gr. 2H (B7M2H)	2.2
01	CHIUSURA CLOSURE	ASTM A479/A182 Tp-316-316L	ASTM A350 LF2	3.1
POS	PARTICOLARI PART NAME	ASTM A479/A182 Tp-304-304L ASTM A182 F51	ASTM A479/A182 Tp-316-316L ASTM A182 F51	3.1

MODELLO Model	PN10-16-20 ANSI 150	PN25-40 ANSI 300	PN50-60 ANSI 600	PN100 ANSI 900	PN150 ANSI 1500	PN250 ANSI 2500	PN420 ANSI 4200
DIAMETRI NOMINALI / Nominal Sizes	FB 100 RB 150 x 100	FB 100 RB 150 x 100	FB 100 RB 150 x 100	FB 100 RB 150 x 100	FB 50 RB 80 x 50	FB 50 RB 80 x 50	FB 50 RB 80 x 50
Pressione Max. Escalato Temp. (bar)	PN10 > 10 PN16 > 16	PN25 > 25 PN40 > 40	PN50 > 50 PN60 > 60	PN100 > 100 PN150 > 150	PN250 > 250 PN420 > 420	PN250 > 250 PN420 > 420	PN250 > 250 PN420 > 420
Pressione Max. Escalato Temp. (bar)	ANSI 150 > 20	ANSI 300 > 51	ANSI 600 > 102	ANSI 900 > 153	ANSI 1500 > 253	ANSI 2500 > 423	ANSI 4200 > 843
Pressione Max. Escalato Temp. (bar)	8	15	15	15	140	230	360
Temperature Max. TS (°C)	240°C	240°C	240°C	240°C	240°C	240°C	240°C
Temperature Min. TSmin (°C)	PN10 > 15 PN16 > 15	PN25 > 38 PN40 > 38	PN50 > 38 PN60 > 38	PN100 > 150 PN150 > 150	PN250 > 250 PN420 > 250	PN250 > 250 PN420 > 250	PN250 > 250 PN420 > 250
Temp. Min. Verifica Resilienza TR (°C)	40°C per A105 A316 WCB 40°C per A350 LF2 Classe 2 / A352 LCB	con controllo della lenticola a temperatura TR quando inferiore a 21°C	con controllo della lenticola a temperatura TR quando inferiore a 21°C	con controllo della lenticola a temperatura TR quando inferiore a 21°C	con controllo della lenticola a temperatura TR quando inferiore a 21°C	con controllo della lenticola a temperatura TR quando inferiore a 21°C	con controllo della lenticola a temperatura TR quando inferiore a 21°C
Temp. Min. Verifica Resilienza TR (°C)	-46°C per corpi inox senza controllo della lenticola	-196°C per corpi inox senza controllo della lenticola	-196°C per corpi inox senza controllo della lenticola	-196°C per corpi inox senza controllo della lenticola	-196°C per corpi inox senza controllo della lenticola	-196°C per corpi inox senza controllo della lenticola	-196°C per corpi inox senza controllo della lenticola
Temp. Min. Verifica Resilienza TR (°C)	In Accordato alla normativa EN13445-2 par. 4.1.8 e Annex B	According to the Standard EN13445-2 par. 4.1.8 and Annex B	According to the Standard EN13445-2 par. 4.1.8 and Annex B	According to the Standard EN13445-2 par. 4.1.8 and Annex B	According to the Standard EN13445-2 par. 4.1.8 and Annex B	According to the Standard EN13445-2 par. 4.1.8 and Annex B	According to the Standard EN13445-2 par. 4.1.8 and Annex B

SPESORI Thickness	ANSI B16.34 / ASME VIII Div.1
DIMENSIONI / Dimensions	ANSI B16.34 / API 6D
ESTREMITA' FLANGIATE Flanged Ends	ANSI B16.5
ESTREMITA' FLANGIATE Flanged Ends	EN 1092-1
RISALTO FLANGE DI ESTREMITA' FLANGIATE	ANSI B16.5 RF - LF / SF - LM / SM - LG / SG - LT / ST
Face	Type A (Flat Face), Type B1 & B2 (Raised Face)
Face	Type C (Tongue), Type D (Groove)
Face	Type E (Shoulder), Type F (Recess)
ESTREMITA' A SALDARE Welding Ends	ANSI B16.25
SCARTAMENTI Face to Face	ANSI B16.10
ATTACCO ATTUATORE/Drilling	ISO 5211
COMANDO Operator	PN10-16-20 ANSI 150
REDUTTORE MANUALE/Reducer	N.A.

FLUIDI Media
Group 1 (Dangerous) 2014/68/EU "PED", art. 13 Liquids and Gases - Category III
API Std. 607 V. Ed. / ISO 10497
TA-LUFT / ISO 15848-1
BS EN ISO 17252 / API6D / ANSI B16.104 / EN 12266-1
Pressione, Flessione dalle Linee, Carichi Assiali dalle Linee
Inside Pressure, Bending, Axial Load from piping
Non Applicabili in forza a ASME III Subsect.NB
Non Applicabili in forza a ASME III Subsect.NB
Gli assenti valvole attuatori sono verificati a scosse di terremoto che incrementano al max. (al 10% il peso proprio dell'attuttore e del supporto superiore valvola) incrementando la resistenza statica e dinamica del sistema. I carichi sismici sono verificati con un incremento del 40% Max dead weight
Non Applicabili in forza a ASME III Subsect.NB
Non Applicabili in forza a ASME III Subsect.NB
Non Applicabili in forza a ASME III Subsect.NB
Non Applicabili in forza a ASME III Subsect.NB
Funzione delle reali condizioni di esercizio ma non superiore a:
- 100.000 ore con interventi periodici / hours with periodic interventions
- 1.500 cicli pressurizzazione-depressurizzazione per corpi in acciaio inossidabile
cycles of valve pressurizing and de-pressurizing with stainless steel bodies
- 13.000 cicli pressurizzazione-depressurizzazione per corpi in acciaio inossidabile
cycles of valve pressurizing and de-pressurizing with stainless steel bodies
- 50.000 cicli di apertura-chiusura per servizi liquidi / open-close cycles on liquid serv.
- 10.000 cicli di apertura-chiusura per servizi gas / open-close cycles on gas services
SOVRASPRESSORE per CORROSIONE mm (solo valvole acciaio al carbonio / carbon steel only)
Corrosion overthickness

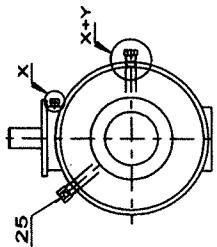
1	30/11/15	Revisione generale	2	22/02/17	Aggiornamento normal. a mat. valv.
0	03/05/02	Prima emissione			
MOD.	DATA	REDA	MOD.	DATA	NOTE
MODIFICHE					
DISEGNATO/CONTROLLATO APPROVATO			PESO		
DATA 22/02/17			DIMOSTRATIVO		
FIRMA G.M.			M.G.		
DESCRIZIONE			DISEGNO RAPPRESENTATIVO DELLE VALVOLE TRUNNION MOUNTED, MODELLO T2 - ESECUZIONE "B"		
REPRESENTATIVE DRAWING OF TRUNNION MOUNTED BALL VALVES, MODEL T2 - EXECUTION "B"			SCALA		
DIS. N° S4654			Sh. 2 of 5		
ALFA VALVOLA			A Unit of IDEX Corporation		



0948

ENP a richiesta
ENP upon request

14 28 27 15 08a 29a 13b 04 29 30 11a 26 16 07 21

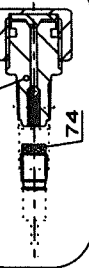


TIPO RB "Passaggio Ridotto"

TIPO PB "Passaggio Totale"

INGRESSATORE (A RICHIESTA)
Sealant Injector (upon request)

Part. Y 33 Part. X



MATERIALI DI COSTRUZIONE / Materials of construction

74	VALVOLA DI RITEGNO-CHECK VALVE	ASTM A479 Tp.316	2.2
33	INGRESSATORE INJECTOR	ASTM A479 Tp.316	2.2
32	SPINA PIN	100C-8 EN ISO 683-17	—
31	RONDELLA SFERA THRUST WASHER	DU-DRY (316L + PTFE LINING)	2.2
30	VITE FL. MOTORE ADAPTER PLATE SCREW	A2-70 EN ISO 3506-1	—
29a	FL. MOTORE	ASTM A479 Tp.316-316L	—
29	FL. PREMITRECCIA GLAND PLATE	ASTM A479 Tp.316-316L	3.1
28	O-RING PREMITRECCIA GLAND O-RING	VITON75 Shore Cl. < 600	2.1
27	GUARN. PREMITRECCIA GLAND PLATE GASKET	GRAPHOIL	2.1
26	RONDELLA STELO BLEED PLUG	DU-DRY (316L + PTFE LINING)	—
25	TAPPO DI SFILATO	ASTM A182 Tp.316	2.2
24	TAPPO DRENAGGIO DRAIN PLUG	ASTM A182 Tp.316	2.2
23	BOCCOLA SFERA BALL BUSHING	DU-DRY (316L + PTFE LINING)	—
22	VITE PERNO TRUNNION SCREW	A2-70 EN ISO 3506-1	2.2
21	O-RING SEGGIO SEAT O-RING	VITON75 Shore Cl. < 600	2.1
20	MOLLE SEGGIO SEAT SPRING	INCONEL X750	—
17a	PIASTRE SFERA BALL TRUNNION	X2CrNiMo17-12-2 EN 10085-2	—
16	O-RING CORPO BODY O-RING	VITON75 Shore Cl. < 600	2.1
15	O-RING STELO STEM O-RING	VITON75 Shore Cl. < 600	2.1
14	DISP. ANTISTATICO ANTISTATIC DEVICE	INCONEL X750	—
13b	CHIAVETTA KEY	EN 10083-2 C40	—
11a	VITE PREMITRECCIA GLAND PLATE SCREW	A2-70 EN ISO 3506-1	2.2
08a	GUARN. STELO PACKING	GRAPHOIL	2.1
07	GUARN. CORPO BODY GASKET	GRAPHOIL	2.1
06a	SEGGIO SEAT RING	ASTM A479/A182 Tp.316 ENP INSERT: SINVEK CI. #600	2.1
05	SFERA BALL	ASTM A479/A182 Tp.316-316L	3.1
04	STEM	ASTM A479 Tp.316-316L	3.1 / 3.2
02a	TIRANTE CORPO BODY STUD	ASTM A193 B8M / A194 Gr.8M	2.2
02b	DADO TIRANTE CORPO STUD NUTS	ASTM A193 B8 / A194 Gr.8	—
01	CHIUSURA CLOSURE	ASTM A479/A182 Tp.316-316L	3.1
POS	PARTICOLARI PART NAME	ASTM A351 CF8M-CF8	—

MODELLO Model	DIAMETRI NOMINALI Nominal Sizes	LIMITI D'IMPUGNO / Use Limits	PN160 ANSI 900	PN250 ANSI 1500	PN420 ANSI 2500
Pressione Max. Escalorio Tamb. (bar)	Maximum Working Press. Tamb. (bar)	FB 80 - 100	FB 80 - 100	FB 80 - 100	FB 80 - 100
Pressione Max. Escalorio Trnax. (bar)	Maximum Working Press. Trnax. (bar)	PN160 - 100	PN160 - 100	PN250 - 150	PN420 - 250
Pressione Max. Escalorio Trnax. (bar)	Maximum Working Press. Trnax. (bar)	ANSI 900 - 153	ANSI 1500 - 255	ANSI 2500 - 425	ANSI 2500 - 425
Temp. Min. Verifica Resilienza TR (°C)	Temp. Min. Working Temperature TR (°C)	140	230	380	380
Temp. Min. Verifica Resilienza TR (°C)	Temp. Min. Working Temperature TR (°C)	240°C	240°C	240°C	240°C
Temp. Min. Verifica Resilienza TR (°C)	Temp. Min. Working Temperature TR (°C)	PN160 - 100	PN250 - 150	PN420 - 250	PN420 - 250
Temp. Min. Verifica Resilienza TR (°C)	Temp. Min. Working Temperature TR (°C)	ANSI 900 - 153	ANSI 1500 - 255	ANSI 2500 - 425	ANSI 2500 - 425

SPERSONI / Thickness	ANSI B16.34 / ASME VIII Div.1
DIMENSIONI / Dimensions	ANSI B16.34 / API 6D
ESTREMITA' FLANGIATE Flanged Ends	ANSI B16.5 EN 1092-1
RISALTO FLANGE DI ESTREMITA' RISING FLANGE	ANSI B16.5 EN 1092-1
ESTREMITA' A SALDARE WELDING ENDS	ANSI B16.25
SCARTAMENTI FACE TO FACE	ANSI B16.10
ATTACCO ATTUATORE / Actuator Mounting	API 6D (Appendix C - Tab. C.3)

COMANDO Operator	ISO 5211
REDUTTORE MANUALE / Manual Reducer	ISO 5211

Group 1 (Dangerous) 201468UE "PED", art. 13 Liquids and Gases - Category III
Group 1 (Dangerous) 201468UE "PED", art. 13 Liquids and Gases - Category III
TA-LUFT / ISO 15648-1
BS EN ISO 17252 / API 6D / ANSI B16.104 / EN 12286-1
Pressione, Flessione della Linea, Carichi Assiali dalle Linee
Inside Pressure, Bending, Axial Load from piping
Non Applicabili in forza a ASME III Subsect. NB
Not Applicable according to ASME III Subsect. NB
Gli assenti valvola-stutture sono verificati a scosse di terremoto che incrementano al 40% il peso proprio distribuito e del coperchio superiore valvola
Valve and actuator assembly are calculated for earthquakes with increase of 40% in self weight and cover weight
Non Applicabili in forza a ASME III Subsect. NB
Not Applicable according to ASME III Subsect. NB
FATICA DA OSCILLAZIONI DI PRESS. Non Applicabili in forza a ASME III Subsect. NB
Pressure Oscillation Fatigue Not Applicable according to ASME III Subsect. NB
FATICA DA OSCILLAZIONI DI PRESS. Non Applicabili in forza a ASME III Subsect. NB
Pressure Oscillation Fatigue Not Applicable according to ASME III Subsect. NB
NUMERO MAX. ORE DI ESERCIZIO Valve Life
- 100.000 ore con intervalli periodici / hours with periodic interventions
- 1.500 cicli pressurizzazione per corpi in acciaio al carbonio
cycles of valve pressurization and de-pressurizing with carbon steel bodies
- 1.500 cicli pressurizzazione per corpi in acciaio inossidabile
cycles of valve pressurization and de-pressurizing with stainless steel bodies
- 50.000 cicli di apertura-chiusura per servizi liquidi / open-close cycles on liquid services
- 10.000 cicli di apertura-chiusura per servizi gas / open-close cycles on gas services
- 10.000 cicli di apertura-chiusura per servizi gas / carbon steel only

1	201115	Revisione generale	1	201115	Revisione generale
2	202017	Prima emissione	2	202017	Prima emissione
3	202017	Prima emissione	3	202017	Prima emissione
4	202017	Prima emissione	4	202017	Prima emissione
5	202017	Prima emissione	5	202017	Prima emissione
6	202017	Prima emissione	6	202017	Prima emissione
7	202017	Prima emissione	7	202017	Prima emissione
8	202017	Prima emissione	8	202017	Prima emissione
9	202017	Prima emissione	9	202017	Prima emissione
10	202017	Prima emissione	10	202017	Prima emissione
11	202017	Prima emissione	11	202017	Prima emissione
12	202017	Prima emissione	12	202017	Prima emissione
13	202017	Prima emissione	13	202017	Prima emissione
14	202017	Prima emissione	14	202017	Prima emissione
15	202017	Prima emissione	15	202017	Prima emissione
16	202017	Prima emissione	16	202017	Prima emissione
17	202017	Prima emissione	17	202017	Prima emissione
18	202017	Prima emissione	18	202017	Prima emissione
19	202017	Prima emissione	19	202017	Prima emissione
20	202017	Prima emissione	20	202017	Prima emissione
21	202017	Prima emissione	21	202017	Prima emissione
22	202017	Prima emissione	22	202017	Prima emissione
23	202017	Prima emissione	23	202017	Prima emissione
24	202017	Prima emissione	24	202017	Prima emissione
25	202017	Prima emissione	25	202017	Prima emissione
26	202017	Prima emissione	26	202017	Prima emissione
27	202017	Prima emissione	27	202017	Prima emissione
28	202017	Prima emissione	28	202017	Prima emissione
29	202017	Prima emissione	29	202017	Prima emissione
30	202017	Prima emissione	30	202017	Prima emissione
31	202017	Prima emissione	31	202017	Prima emissione
32	202017	Prima emissione	32	202017	Prima emissione
33	202017	Prima emissione	33	202017	Prima emissione
34	202017	Prima emissione	34	202017	Prima emissione
35	202017	Prima emissione	35	202017	Prima emissione
36	202017	Prima emissione	36	202017	Prima emissione
37	202017	Prima emissione	37	202017	Prima emissione
38	202017	Prima emissione	38	202017	Prima emissione
39	202017	Prima emissione	39	202017	Prima emissione
40	202017	Prima emissione	40	202017	Prima emissione
41	202017	Prima emissione	41	202017	Prima emissione
42	202017	Prima emissione	42	202017	Prima emissione
43	202017	Prima emissione	43	202017	Prima emissione
44	202017	Prima emissione	44	202017	Prima emissione
45	202017	Prima emissione	45	202017	Prima emissione
46	202017	Prima emissione	46	202017	Prima emissione
47	202017	Prima emissione	47	202017	Prima emissione
48	202017	Prima emissione	48	202017	Prima emissione
49	202017	Prima emissione	49	202017	Prima emissione
50	202017	Prima emissione	50	202017	Prima emissione
51	202017	Prima emissione	51	202017	Prima emissione
52	202017	Prima emissione	52	202017	Prima emissione
53	202017	Prima emissione	53	202017	Prima emissione
54	202017	Prima emissione	54	202017	Prima emissione
55	202017	Prima emissione	55	202017	Prima emissione
56	202017	Prima emissione	56	202017	Prima emissione
57	202017	Prima emissione	57	202017	Prima emissione
58	202017	Prima emissione	58	202017	Prima emissione
59	202017	Prima emissione	59	202017	Prima emissione
60	202017	Prima emissione	60	202017	Prima emissione
61	202017	Prima emissione	61	202017	Prima emissione
62	202017	Prima emissione	62	202017	Prima emissione
63	202017	Prima emissione	63	202017	Prima emissione
64	202017	Prima emissione	64	202017	Prima emissione
65	202017	Prima emissione	65	202017	Prima emissione
66	202017	Prima emissione	66	202017	Prima emissione
67	202017	Prima emissione	67	202017	Prima emissione
68	202017	Prima emissione	68	202017	Prima emissione
69	202017	Prima emissione	69	202017	Prima emissione
70	202017	Prima emissione	70	202017	Prima emissione
71	202017	Prima emissione	71	202017	Prima emissione
72	202017	Prima emissione	72	202017	Prima emissione
73	202017	Prima emissione	73	202017	Prima emissione
74	202017	Prima emissione	74	202017	Prima emissione
75	202017	Prima emissione	75	202017	Prima emissione
76	202017	Prima emissione	76	202017	Prima emissione
77	202017	Prima emissione	77	202017	Prima emissione
78	202017	Prima emissione	78	202017	Prima emissione
79	202017	Prima emissione	79	202017	Prima emissione
80	202017	Prima emissione	80	202017	Prima emissione
81	202017	Prima emissione	81	202017	Prima emissione
82	202017	Prima emissione	82	202017	Prima emissione
83	202017	Prima emissione	83	202017	Prima emissione
84	202017	Prima emissione	84	202017	Prima emissione
85	202017	Prima emissione	85	202017	Prima emissione
86	202017	Prima emissione	86	202017	Prima emissione
87	202017	Prima emissione	87	202017	Prima emissione
88	202017	Prima emissione	88	202017	Prima emissione
89	202017	Prima emissione	89	202017	Prima emissione
90	202017	Prima emissione	90	202017	Prima emissione
91	202017	Prima emissione	91	202017	Prima emissione
92	202017	Prima emissione	92	202017	Prima emissione
93	202017	Prima emissione	93	202017	Prima emissione
94	202017	Prima emissione	94	202017	Prima emissione
95	202017	Prima emissione	95	202017	Prima emissione
96	202017	Prima emissione	96	202017	Prima emissione
97	202017	Prima emissione	97	202017	Prima emissione
98	202017	Prima emissione	98	202017	Prima emissione
99	202017	Prima emissione	99	202017	Prima emissione
100	202017	Prima emissione	100	202017	Prima emissione

CE

0948
Notified Body
Identification No.

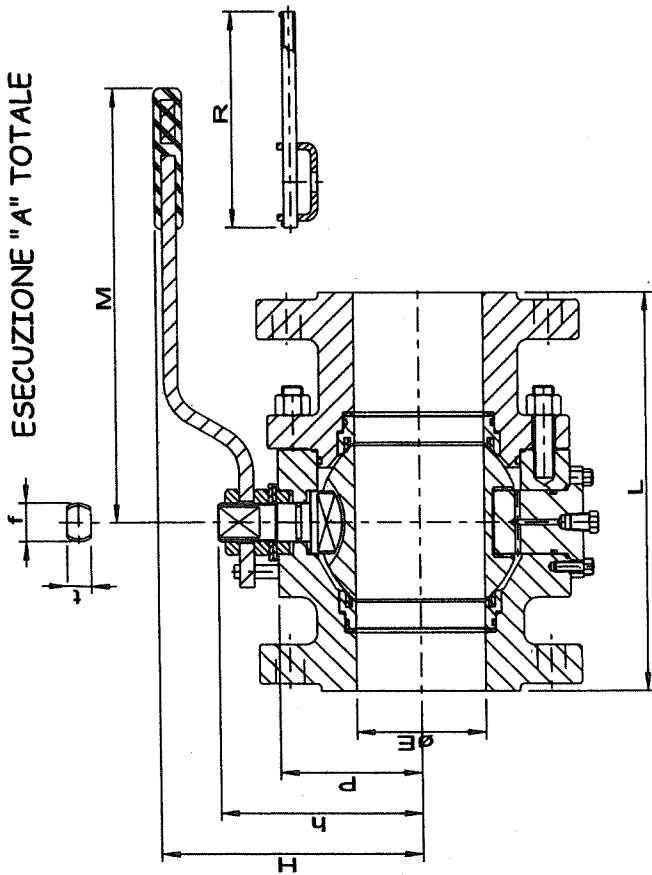
ENP a richiesta
ENP upon request

AV ALFA VALVOLE
A Unit of IDEX Corporation

REPRESENTATIVE DRAWING OF TRUNNION MOUNTED BALL VALVES.
MODEL T2 - EXECUTION 'C'

DIS. N° S4654
Sh. 3 of 5

ESECUZIONE "A" TOTALE



ESECUZIONE "A" TOTALE

ANSI 150 - PN 10/16/20

DN	40	50	80	100
Ø"	1 1/2"	2"	3"	4"
ØE	38	51	76	102
L (RF)	185	178	203	229
L (BW)	191	216	263	305
L (RJ)	178	191	216	241
M/R	275/-	275/-	380/-	440/500
H	116	128	144	200
P	63	69	89	111
f/l	16/10	16/10	22/14	30/18
Kg (RF)	14	15	31	44
Kg (BW)	11	14	28	41
Max Torque(Nm)	51	70	145	236
Stem Shear(Nm)	89.4	99.4	199	403

ANSI 900 - PN 160

DN	40	50	80	100
Ø"	1 1/2"	2"	3"	4"
ØE	38	51	76	102
L (RF)	305	305	305	305
L (BW)	305	305	305	305
L (RJ)	305	305	305	305
M/R	380/-	380/-	380/-	380/-
H	104	104	104	104
P	65	65	65	65
f/l	22/14	22/14	22/14	22/14
Kg (RF)	42	42	42	42
Kg (BW)	31	31	31	31
Max Torque(Nm)	135	135	135	135
Stem Shear(Nm)	156.5	156.5	156.5	156.5

ANSI 1500 - PN 25/40

DN	40	50	80	100
Ø"	1 1/2"	2"	3"	4"
ØE	38	51	76	102
L (RF)	305	305	305	305
L (BW)	305	305	305	305
L (RJ)	305	305	305	305
M/R	380/-	380/-	380/-	380/-
H	104	104	104	104
P	65	65	65	65
f/l	22/14	22/14	22/14	22/14
Kg (RF)	42	42	42	42
Kg (BW)	31	31	31	31
Max Torque(Nm)	180	180	180	180
Stem Shear(Nm)	209.6	209.6	209.6	209.6

ANSI 900 - PN 420

DN	40	50	80	100
Ø"	1 1/2"	2"	3"	4"
ØE	38	51	76	102
L (RF)	364	364	364	364
L (BW)	364	364	364	364
L (RJ)	364	364	364	364
M/R	380/-	380/-	380/-	380/-
H	135	135	135	135
P	85	85	85	85
f/l	30/18	30/18	30/18	30/18
Kg (RF)	65	65	65	65
Kg (BW)	43	43	43	43
Max Torque(Nm)	302	302	302	302
Stem Shear(Nm)	471	471	471	471

ANSI 1500 - PN 25/40

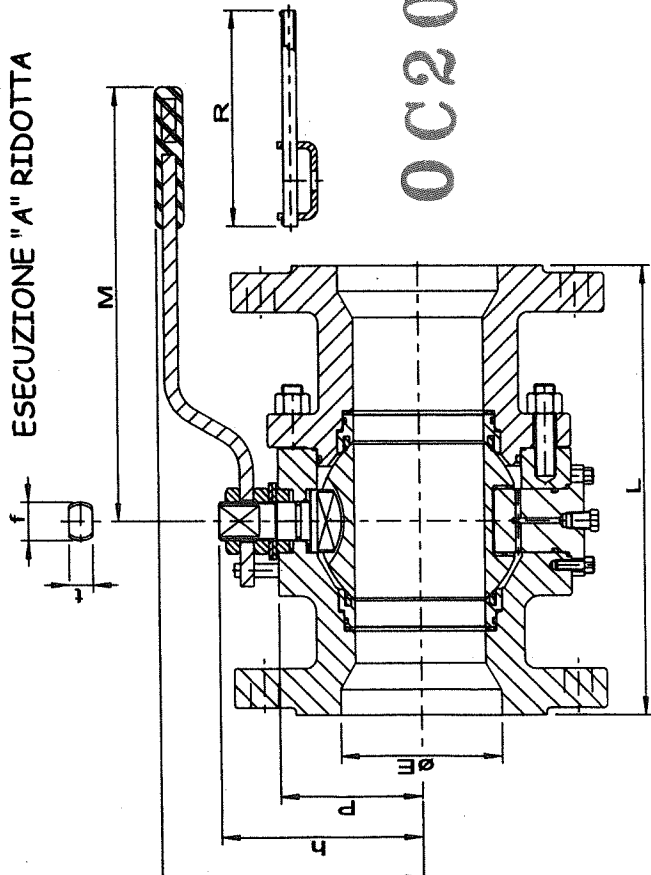
DN	40	50	80	100
Ø"	1 1/2"	2"	3"	4"
ØE	38	51	76	102
L (RF)	305	305	305	305
L (BW)	305	305	305	305
L (RJ)	305	305	305	305
M/R	380/-	380/-	380/-	380/-
H	104	104	104	104
P	65	65	65	65
f/l	22/14	22/14	22/14	22/14
Kg (RF)	42	42	42	42
Kg (BW)	31	31	31	31
Max Torque(Nm)	180	180	180	180
Stem Shear(Nm)	209.6	209.6	209.6	209.6

ANSI 900 - PN 420

DN	40	50	80	100
Ø"	1 1/2"	2"	3"	4"
ØE	38	51	76	102
L (RF)	364	364	364	364
L (BW)	364	364	364	364
L (RJ)	364	364	364	364
M/R	380/-	380/-	380/-	380/-
H	135	135	135	135
P	85	85	85	85
f/l	30/18	30/18	30/18	30/18
Kg (RF)	65	65	65	65
Kg (BW)	43	43	43	43
Max Torque(Nm)	302	302	302	302
Stem Shear(Nm)	471	471	471	471

ESECUZIONE "A" RIDOTTA

ESECUZIONE "A" RIDOTTA



ANSI 150 - PN 10/16/20

DN	50x40	50x50	100x80	150x100
Ø"	2"x1 1/2"	3"x2"	4"x3"	6"x4"
ØE	38	51	76	102
L (RF)	178	203	229	254
L (BW)	185	216	263	305
L (RJ)	178	191	216	241
M/R	275/-	275/-	380/-	440/500
H	116	128	144	200
P	63	69	89	111
f/l	16/10	16/10	22/14	30/18
Kg (RF)	13	23	37	66
Kg (BW)	11	22	30	60
Max Torque(Nm)	51	70	145	236
Stem Shear(Nm)	89.4	99.4	199	403

ANSI 900 - PN 25/40

DN	50x40	50x50	100x80	150x100
Ø"	2"x1 1/2"	3"x2"	4"x3"	6"x4"
ØE	38	51	76	102
L (RF)	216	239	263	288
L (BW)	216	239	263	288
L (RJ)	216	239	263	288
M/R	275/-	275/-	380/-	440/500
H	116	128	144	200
P	63	69	89	111
f/l	16/10	16/10	22/14	30/18
Kg (RF)	20	34	47	97
Kg (BW)	13	22	30	60
Max Torque(Nm)	69	85	135	297
Stem Shear(Nm)	89.4	99.4	199	403

ANSI 900 - PN 100

DN	50x40	50x50	100x80	150x100
Ø"	2"x1 1/2"	3"x2"	4"x3"	6"x4"
ØE	38	51	76	102
L (RF)	282	309	335	359
L (BW)	282	309	335	359
L (RJ)	282	309	335	359
M/R	380/-	380/-	440/500	440/500
H	135	146	165	244
P	85	75	95	124
f/l	22/14	22/14	30/18	45/30
Kg (RF)	22	48	69	128
Kg (BW)	17	36	51	92
Max Torque(Nm)	103	135	320	518
Stem Shear(Nm)	156.5	156.5	471	1864

ANSI 1500 - PN 25/40

DN	50x40	50x50	100x80	150x100
Ø"	2"x1 1/2"	3"x2"	4"x3"	6"x4"
ØE	38	51	76	102
L (RF)	216	239	263	288
L (BW)	216	239	263	288
L (RJ)	216	239	263	288
M/R	275/-	275/-	380/-	440/500
H	116	128	144	200
P	63	69	89	111
f/l	16/10	16/10	22/14	30/18
Kg (RF)	20	34	47	97
Kg (BW)	13	22	30	60
Max Torque(Nm)	69	85	135	297
Stem Shear(Nm)	89.4	99.4	199	403

ANSI 900 - PN 420

DN	50x40	50x50	100x80	150x100
Ø"	2"x1 1/2"	3"x2"	4"x3"	6"x4"
ØE	38	51	76	102
L (RF)	282	309	335	359
L (BW)	282	309	335	359
L (RJ)	282	309	335	359
M/R	380/-	380/-	440/500	440/500
H	135	146	165	244
P	85	75	95	124
f/l	22/14	22/14	30/18	45/30
Kg (RF)	22	48	69	128
Kg (BW)	17	36	51	92
Max Torque(Nm)	103	135	320	518
Stem Shear(Nm)	156.5	156.5	471	1864

ANSI 1500 - PN 160

DN	50x40	50x50	100x80	150x100
Ø"	2"x1 1/2"	3"x2"	4"x3"	6"x4"
ØE	38	51	76	102
L (RF)	368	368	368	368
L (BW)	368	368	368	368
L (RJ)	368	368	368	368
M/R	380/-	380/-	380/-	380/-
H	135	135	135	135
P	65	65	65	65
f/l	22/14	22/14	22/14	22/14
Kg (RF)	47	47	47	47
Kg (BW)	36	36	36	36
Max Torque(Nm)	135	135	135	135
Stem Shear(Nm)	156.5	156.5	156.5	156.5

ANSI 900 - PN 25/40

DN	50x40	50x50	100x80	150x100
Ø"	2"x1 1/2"	3"x2"	4"x3"	6"x4"
ØE	38	51	76	102
L (RF)	368	368	368	368
L (BW)	368	368	368	368
L (RJ)	368	368	368	368
M/R	380/-	380/-	380/-	380/-
H	135	135	135	135
P	65	65	65	65
f/l	22/14	22/14	22/14	22/14
Kg (RF)	47	47	47	47
Kg (BW)	36	36	36	36
Max Torque(Nm)	135	135	135	135
Stem Shear(Nm)	156.5	156.5	156.5	156.5

ANSI 900 - PN 420

DN	50x40	50x50	100x80	150x100
Ø"	2"x1 1/2"	3"x2"	4"x3"	6"x4"
ØE	38	51	76	102
L (RF)	451	451	451	451
L (BW)	451	451	451	451
L (RJ)	451	451	451	451
M/R	380/-	380/-	380/-	380/-
H	135	135	135	135
P	104	104	104	104
f/l	30/18	30/18	30/18	30/18
Kg (RF)	71	71	71	71
Kg (BW)	55	55	55	55
Max Torque(Nm)	302	302	302	302
Stem Shear(Nm)	471	471	471	471

* A479 Tp.410Min.
 ** A479 Tp. UNS S31803 Min.

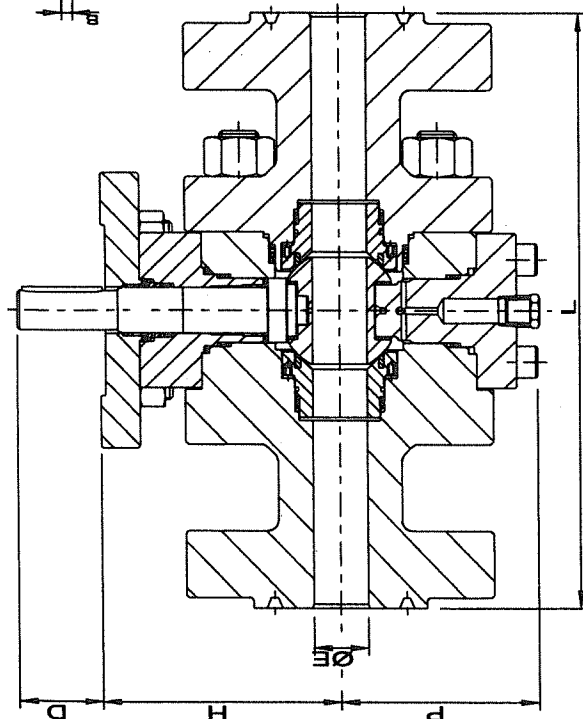
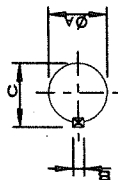
0C20154.26

CE

Notified Body
 Identification No.
 0948

Revisione generale	1	30/11/15	DATA	FINNA	NOTE
Prima emissione	0	02/05/02	DATA	FINNA	NOTE
Aggiornamento normal. e nat. val.	2	22/02/17	DATA	FINNA	NOTE
MODIFICHE					
DISEGNATO			DISEGNO		
CONTROLLATO			CONSTRUTTIVO		
APPROVATO			PESO		
DATA			22/02/17		
FIRMA			M.G.		
G.M.			F.P.		
DESCRIZIONE DISEGNO RAPPRESENTATIVO DELLA FAMIGLIA VALVOLE TRUNNION MOUNTED					
REPRESENTATIVE DRAWING OF TRUNNION MOUNTED BALL VALVES					
SCALA			DIS. N°		
---			S4654		
Sh. 4 of 5					
A Unit of IDEX Corporation					

STEM DETAIL



ESECUZIONE "B"

[illegible]

ANSI 300 - PN 25/40

ANSI 300 - PN 25/40		Metric	
DN	in	DN	in
Ø"	Ø"	Ø"	Ø"
102	4"	102	4"
102	4"	102	4"
305	12"	305	12"
L (RF)		L (RF)	
L (BW)		L (BW)	
321	12.6"	321	12.6"
L (RJ)		L (RJ)	
D		D	
F		F	
164	6.4"	164	6.4"
ØA		ØA	
43.5 / 12	1.71 / 0.47	43.5 / 12	1.71 / 0.47
40	1.5"	40	1.5"
ØB		ØB	
99	3.9"	99	3.9"
1699"	67.7"	1699"	67.7"
Max Torque(Nm)		Max Torque(Nm)	
Slam Shut(Nm)		Slam Shut(Nm)	

ANSI 800 - PN 100

ANSI 600 - PN 100	
DN	100
Ø"	4"
Ø"	102
L (RF)	432
L (BW)	432
L (RJ)	35
H	72
D	230
F	164
ØA	40
C/B	43.5 / 12
Kg	120
Torque(Nm)	855
Stem Seal(Nm)	103
Stem Seal(Nm)	1999**
Stem Seal(Nm)	156.5

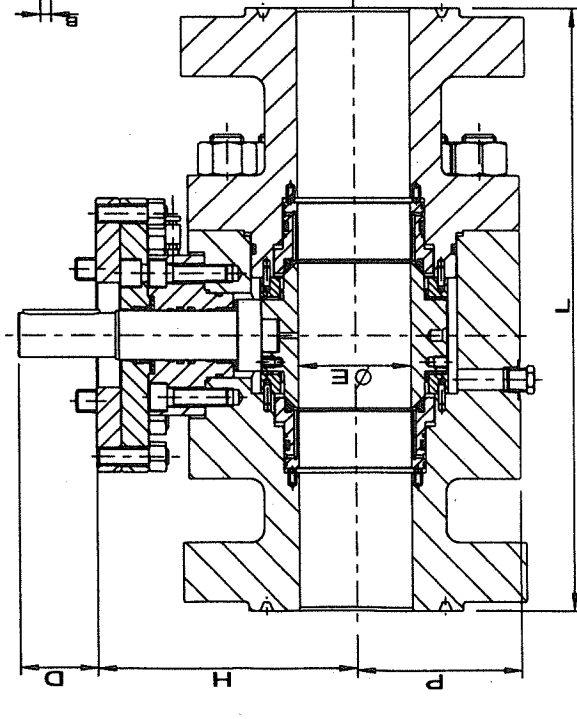
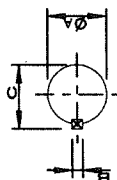
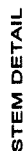
ANSI 900 - PN 160	
DN	50
Ø"	2"
ØE	51
L (RF)	368
L (BW)	368
L (RJ)	371
D	51
H	162
P	131
ØA	30
C/B	33/10
Kg	78
Max Torque(Nm)	330
Stem Shear(Nm)	1599*

ANSI 1500 - PN 250

DN	50
Ø"	2"
ØE	51
L (RF)	368
L (BW)	368
L (RJ)	371
D	51
H	162
P	131
ØA	30
C/B	33/10
Kg	78
Max Torque(Nm)	400
Stem Shear(Nm)	1598*

ANSI 2500 - PN 420

DN	50
Ø	2"
Ø	44
L (RF)	451
L (BW)	451
L (RJ)	454
D	64
H	182
P	151
ØA	30
C/B	33/10
Kg	118
Max.Torque(Nm)	645
Stem Shear(Nm)	1599*



ESECUZIONE "C"

ANSI 900 - PN 160				
DN	60	100		
G"	3"	4"		
ØE	76	102		
L (RF)	361	457		
L (BW)	361	457		
L (RJ)	364	460		
D	52	71		
H	195	212		
P	130	159		
ØA	35	40		
C/B	38/10	43.5/12		
Max. Weight	95	161		
Max. Torque(Nm)	680	1275		
Stem Thread	2580"	3637"		

ANSI 1500 - PN 250

DN	80	100
ø	3"	4"
øE	76	102
L (R)	470	546
L (BW)	470	546
L (R)	473	549
D	63	71
H	192	234
P	141	184
øA	38	40
C/B	41/10	43.5/12
Kg	142	227
Max Torque(Nm)	1386	1875
Item Size(Nm)	3285*	3937*

ANSI Z500 - PN 420

DN	60
Ø	3"
ØE	63
L (RF)	578
L (BW)	578
L (RJ)	584
D	71
H	239
P	159
ØA	40
G / B	43.5 / 12
Kg	241
Max Torque (Nm)	1486
Stem Shear (Nm)	3637

• Stem Material: ASTM A182 F51

Stem Material: ASTM A182 F316



Notified Body
Identification No.

0948

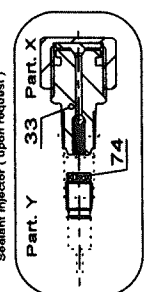
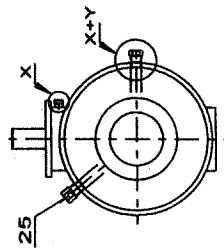
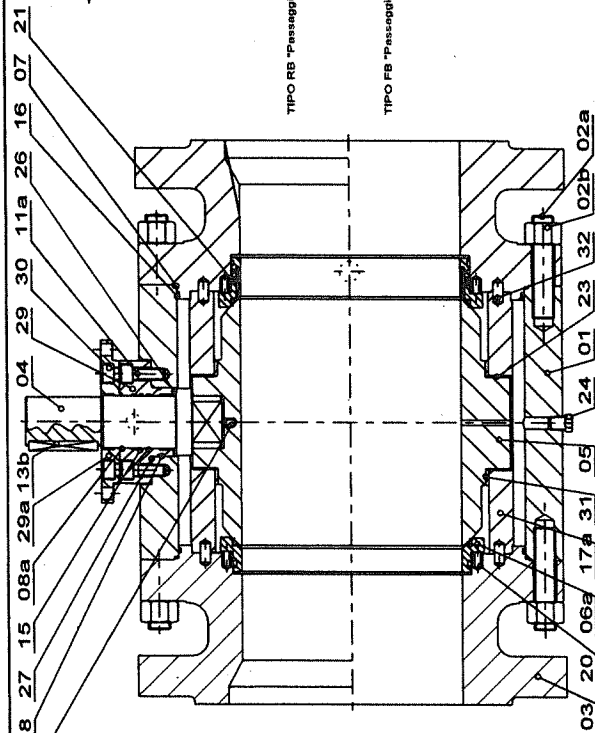
0C20154.26

[illegible]

DESCRIZIONE	DISEGNO RAPPRESENTATIVO DELLA FAMIGLIA VALVOLE TRUNNION MOUNTED
	REPRESENTATIVE DRAWING OF TRUNNION MOUNTED BALL VALVES 

ALFA VALVOLE

A Unit of IDEX Corporation



MATERIALI DI COSTRUZIONE / Materials of construction					
74	VALVOLA DI RITEGNO CHECK VALVE	ASTM A479 Tp-316	ASTM A479 Tp-316	ASTM A479 Tp-316	2.2
33	INGROSSATORE INJECTOR	ASTM A479 Tp-316	ASTM A479 Tp-316	ASTM A479 Tp-316	2.2
32	SPINA PIN	100Cr6 EN ISO 683-17	100Cr6 EN ISO 683-17	100Cr6 EN ISO 683-17	—
31	RONDELLA SFERA THRUST WASHER	DU-DRY (C.S. + PTFE LINING)	DU-DRY (C.S. + PTFE LINING)	DU-DRY (C.S. + PTFE LINING)	—
30	VITE FL. MOTORE ADAPTER PLATE SCREW	A370 EN ISO 3506-1	A370 EN ISO 3506-1	A370 EN ISO 3506-1	—
29a	FL. MOTORE ADAPTER PLATE	ASTM A479 Tp-304-304L	ASTM A479 Tp-316-316L	ASTM A105 ASTM A350 LF2	—
29	FL. PREMIRECCIA GLAND PLATE	ASTM A479 Tp-304-304L	ASTM A479 Tp-316-316L	ASTM A105 ENP ASTM A350 LF2 ENP	3.1
28	* O-RING PREMIRECCIA GLAND PLATE O-RING	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	2.1
27	* GUARN. PREMIRECCIA GLAND PLATE GASKET	GRAPHOIL	GRAPHOIL	GRAPHOIL	2.1
26	* RONDELLA SFERA STEM WASHER	DU-DRY (C.S. + PTFE LINING)	DU-DRY (C.S. + PTFE LINING)	DU-DRY (C.S. + PTFE LINING)	—
25	TAPPO DI SFIATO BLEED PLUG	ASTM A182 Tp-316	ASTM A182 Tp-316	ASTM A182 Tp-316	2.2
24	* TAPPO DRENAGGIO DRAIN PLUG	ASTM A182 Tp-316	ASTM A182 Tp-316	ASTM A182 Tp-316	2.2
23	* BOCCHOLA SFERA BALL BUSHING	DU-DRY (C.S. + PTFE LINING)	DU-DRY (C.S. + PTFE LINING)	DU-DRY (C.S. + PTFE LINING)	—
22	* VITE PERNO TRUNNION SCREW	A370 EN ISO 3506-1	A370 EN ISO 3506-1	A370 EN ISO 3506-1	2.2
21	* O-RING SEGGIO SEAT O-RING	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	2.1
20	MOLLE SEGGIO SEAT SPRING	INCONEL X750	INCONEL X750	INCONEL X750	—
17a	* PIASTRE SFERA BALL TRUNNION	X2CrNiMo17-12-2 EN 10089-2	X2CrNiMo17-12-2 EN 10089-2	S235JR EN 10025-2	—
16	* O-RING CORPO BODY O-RING	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	2.1
15	* O-RING STELO STEM O-RING	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	VITON75 Shore Cl. < 600 90 Shore Cl. > 600	2.1
14	DISP. ANTISTATICO ANTISTATIC DEVICE	INCONEL X750	INCONEL X750	INCONEL X750	—
13b	CHIAVETTA KEY	EN 10093-2 C40	EN 10093-2 C40	EN 10093-2 C40	—
11a	* VITE PREMIRECCIA GLAND PLATE SCREW	A370 EN ISO 3506-1	A370 EN ISO 3506-1	A370 EN ISO 3506-1	2.2
08a	* GUARN. STELO PACKING	GRAPHOIL	GRAPHOIL	GRAPHOIL	2.1
07	* GUARN. CORPO BODY GASKET	GRAPHOIL	GRAPHOIL	GRAPHOIL	2.1
06a	* SEGGIO SEAT RING	ASTM A479/A182 Tp-304 ENP INERTSINVEVX CL.#600	ASTM A479/A182 Tp-316 ENP INERTSINVEVX CL.#600	ASTM A105 ENP - ASTM A350 LF2 ENP INERTSINVEVX CL.#600	2.1
05	* SFERA BALL	ASTM A479/A182 Tp-304-304L	ASTM A479/A182 Tp-316-316L	ASTM A105 ENP ASTM A350 LF2 ENP	3.1
		ASTM A182 F51	ASTM A182 F51	ASTM A182 F51	
		ASTM A451 CFP8M / A351 CFP8M	ASTM A451 CFP8M / A351 CFP8M	ASTM A451 CFP8M / A351 CFP8M	
04	* STELO STEM	ASTM A479 Tp-304-304L	ASTM A479 Tp-316-316L	ASTM A479 Tp-316-316L	3.1 / 3.2
		ASTM A182 F51	ASTM A182 F51	ASTM A182 F51 ASTM A28 Gr.4140	
02a	* TIRANTE CORPO BODY STUD	ASTM A193 B8M / A194 Gr.8M	ASTM A193 B8M / A194 Gr.8M	ASTM A193 B7 / A194 Gr.2H (B7M/2H4M)	2.2
02b	* DADO TIRANTE CORPO BODY STUD NUTS	ASTM A193 B8 / A194 Gr.8	ASTM A193 B8 / A194 Gr.8	S460 A350 LF2 ASTM A320 L7 / A194 Gr.4 (L7M/7M)	
01	* CHIUBURA CORPO CLOSURE BODY	ASTM A479/A182 Tp-304-304L	ASTM A479/A182 Tp-316-316L	ASTM A105 / ASTM A216 WCB	3.1
03	* CHIUBURA CORPO CLOSURE BODY	ASTM A351 CFP3M-CF3	ASTM A351 CFP8M-CF8	ASTM A350 LF2 / ASTM A352 LCB	
POS	Particolari / PART NAME				Certificato EN 10204

Notified Body
Identification No.

ENP a richiesta
ENP a richiesta

ESECUZIONE "A"

ANSI 300		200x152x153x100x200x250x265					
DN	Ø"	Ø"x6"	17"x8"	12"x8"	14"x10"		
	ØE	152	152	132	203	254	
	L (RF)	502	366	366	648	762	
	L (BW)	521	359	359	635	762	
	L (RJ)	516	354	354	664	778	
	H	200	200	200	238	275	
	P	176	176	205	205	245	
	Max.Torque(Nm)	813	315	1256	1636	1636	

ANSI 800	DN	200x150x150x200x250x300x350x400x450x500x550x600x650x700x750x800x850x900x950x1000x1050x1100x1150x1200x1250x1300x1350x1400x1450x1500x1550x1600x1650x1700x1750x1800x1850x1900x1950x2000x2050x2100x2150x2200x2250x2300x2350x2400x2450x2500x2550x2600x2650x2700x2750x2800x2850x2900x2950x3000x3050x3100x3150x3200x3250x3300x3350x3400x3450x3500x3550x3600x3650x3700x3750x3800x3850x3900x3950x4000x4050x4100x4150x4200x4250x4300x4350x4400x4450x4500x4550x4600x4650x4700x4750x4800x4850x4900x4950x5000x5050x5100x5150x5200x5250x5300x5350x5400x5450x5500x5550x5600x5650x5700x5750x5800x5850x5900x5950x6000x6050x6100x6150x6200x6250x6300x6350x6400x6450x6500x6550x6600x6650x6700x6750x6800x6850x6900x6950x7000x7050x7100x7150x7200x7250x7300x7350x7400x7450x7500x7550x7600x7650x7700x7750x7800x7850x7900x7950x8000x8050x8100x8150x8200x8250x8300x8350x8400x8450x8500x8550x8600x8650x8700x8750x8800x8850x8900x8950x9000x9050x9100x9150x9200x9250x9300x9350x9400x9450x9500x9550x9600x9650x9700x9750x9800x9850x9900x9950x10000x10050x10100x10150x10200x10250x10300x10350x10400x10450x10500x10550x10600x10650x10700x10750x10800x10850x10900x10950x11000x11050x11100x11150x11200x11250x11300x11350x11400x11450x11500x11550x11600x11650x11700x11750x11800x11850x11900x11950x12000x12050x12100x12150x12200x12250x12300x12350x12400x12450x12500x12550x12600x12650x12700x12750x12800x12850x12900x12950x13000x13050x13100x13150x13200x13250x13300x13350x13400x13450x13500x13550x13600x13650x13700x13750x13800x13850x13900x13950x14000x14050x14100x14150x14200x14250x14300x14350x14400x14450x14500x14550x14600x14650x14700x14750x14800x14850x14900x14950x15000x15050x15100x15150x15200x15250x15300x15350x15400x15450x15500x15550x15600x15650x15700x15750x15800x15850x15900x15950x16000x16050x16100x16150x16200x16250x16300x16350x16400x16450x16500x16550x16600x16650x16700x16750x16800x16850x16900x16950x17000x17050x17100x17150x17200x17250x17300x17350x17400x17450x17500x17550x17600x17650x17700x17750x17800x17850x17900x17950x18000x18050x18100x18150x18200x18250x18300x18350x18400x18450x18500x18550x18600x18650x18700x18750x18800x18850x18900x18950x19000x19050x19100x19150x19200x19250x19300x19350x19400x19450x19500x19550x19600x19650x19700x19750x19800x19850x19900x19950x20000x20050x20100x20150x20200x20250x20300x20350x20400x20450x20500x20550x20600x20650x20700x20750x20800x20850x20900x20950x21000x21050x21100x21150x21200x21250x21300x21350x21400x21450x21500x21550x21600x21650x21700x21750x21800x21850x21900x21950x22000x22050x22100x22150x22200x22250x22300x22350x22400x22450x22500x22550x22600x22650x22700x22750x22800x22850x22900x22950x23000x23050x23100x23150x23200x23250x23300x23350x23400x23450x23500x23550x23600x23650x23700x23750x23800x23850x23900x23950x24000x24050x24100x24150x24200x24250x24300x24350x24400x24450x24500x24550x24600x24650x24700x24750x24800x24850x24900x24950x25000x25050x25100x25150x25200x25250x25300x25350x25400x25450x25500x25550x25600x25650x25700x25750x25800x25850x25900x25950x26000x26050x26100x26150x26200x26250x26300x26350x26400x26450x26500x26550x26600x26650x26700x26750x26800x26850x26900x26950x27000x27050x27100x27150x27200x27250x27300x27350x27400x27450x27500x27550x27600x27650x27700x27750x27800x27850x27900x27950x28000x28050x28100x28150x28200x28250x28300x28350x28400x28450x28500x28550x28600x28650x28700x28750x28800x28850x28900x28950x29000x29050x29100x29150x29200x29250x29300x29350x29400x29450x29500x29550x29600x29650x29700x29750x29800x29850x29900x29950x30000x30050x30100x30150x30200x30250x30300x30350x30400x30450x30500x30550x30600x30650x30700x30750x30800x30850x30900x30950x31000x31050x31100x31150x31200x31250x31300x31350x31400x31450x31500x31550x31600x31650x31700x31750x31800x31850x31900x31950x32000x32050x32100x32150x32200x32250x32300x32350x32400x32450x32500x32550x32600x32650x32700x32750x32800x32850x32900x32950x33000x33050x33100x33150x33200x33250x33300x33350x33400x33450x33500x33550x33600x33650x33700x33750x33800x33850x33900x33950x34000x34050x34100x34150x34200x34250x34300x34350x34400x34450x34500x34550x34600x34650x34700x34750x34800x34850x34900x34950x35000x35050x35100x35150x35200x35250x35300x35350x35400x35450x35500x35550x35600x35650x35700x35750x35800x35850x35900x35950x36000x36050x36100x36150x36200x36250x36300x36350x36400x36450x36500x36550x36600x36650x36700x36750x36800x36850x36900x36950x37000x37050x37100x37150x37200x37250x37300x37350x37400x37450x37500x37550x37600x37650x37700x37750x37800x37850x37900x37950x38000x38050x38100x38150x38200x38250x38300x38350x38400x38450x38500x38550x38600x38650x38700x38750x38800x38850x38900x38950x39000x39050x39100x39150x39200x39250x39300x39350x39400x39450x39500x39550x39600x39650x39700x39750x39800x39850x39900x39950x40000x40050x40100x40150x40200x40250x40300x40350x40400x40450x40500x40550x40600x40650x40700x40750x40800x40850x40900x40950x41000x41050x41100x41150x41200x41250x41300x41350x41400x41450x41500x41550x41600x41650x41700x41750x41800x41850x41900x41950x42000x42050x42100x42150x42200x42250x42300x42350x42400x42450x42500x42550x42600x42650x42700x42750x42800x42850x42900x42950x43000x43050x43100x43150x43200x43250x43300x43350x43400x43450x43500x43550x43600x43650x43700x43750x43800x43850x43900x43950x44000x44050x44100x44150x44200x44250x44300x44350x44400x44450x44500x44550x44600x44650x44700x44750x44800x44850x44900x44950x45000x45050x45100x45150x45200x45250x45300x45350x45400x45450x45500x45550x45600x45650x45700x45750x45800x45850x45900x45950x46000x46050x46100x46150x46200x46250x46300x46350x46400x46450x46500x46550x46600x46650x46700x46750x46800x46850x46900x46950x47000x47050x47100x47150x47200x47250x47300x47350x47400x47450x47500x47550x47600x47650x47700x47750x47800x47850x47900x47950x48000x48050x48100x48150x48200x48250x48300x48350x48400x48450x48500x48550x48600x48650x48700x48750x48800x48850x48900x48950x49000x49050x49100x49150x49200x49250x49300x49350x49400x49450x49500x49550x49600x49650x49700x49750x49800x49850x49900x49950x50000x50050x50100x50150x50200x50250x50300x50350x50400x50450x50500x50550x50600x50650x50700x50750x50800x50850x50900x50950x51000x51050x51100x51150x51200x51250x51300x51350x51400x51450x51500x51550x51600x51650x51700x51750x51800x51850x51900x51950x52000x52050x52100x52150x52200x52250x52300x52350x52400x52450x52500x52550x52600x52650x52700x52750x52800x52850x52900x52950x53000x53050x53100x53150x53200x53250x53300x53350x53400x53450x53500x53550x53600x53650x53700x53750x53800x53850x53900x53950x54000x54050x54100x54150x54200x54250x54300x54350x54400x54450x54500x54550x54600x54650x54700x54750x54800x54850x54900x54950x55000x55050x55100x55150x55200x55250x55300x55350x55400x55450x55500x55550x55600x55650x55700x55750x55800x55850x55900x55950x56000x56050x56100x56150x56200x56250x56300x56350x56400x56450x56500x56550x56600x56650x56700x56750x56800x56850x56900x56950x57000x57050x57100x57150x57200x57250x57300x57350x57400x57450x57500x57550x57600x57650x57700x57750x57800x57850x57900x57950x58000x58050x58100x58150x58200x58250x58300x58350x58400x58450x58500x58550x58600x58650x58700x58750x58800x58850x58900x58950x59000x59050x59100x59150x59200x59250x59300x59350x59400x59450x59500x59550x59600x59650x59700x59750x59800x59850x59900x59950x60000x60050x60100x60150x60200x60250x60300x60350x60400x60450x60500x60550x60600x60650x60700x60750x60800x60850x60900x60950x61000x61050x61100x61150x61200x61250x61300x61350x61400x61450x61500x61550x61600x61650x61700x61750x61800x61850x61900x61950x62000x62050x62100x62150x62200x62250x62300x62350x62400x62450x62500x62550x62600x62650x62700x62750x62800x62850x62900x62950x63000x63050x63100x63150x63200x63250x63300x63350x63400x63450x63500x63550x63600x63650x63700x63750x63800x63850x63900x63950x64000x64050x64100x64150x64200x64250x64300x64350x64400x64450x64500x64550x64600x64650x64700x64750x64800x64850x64900x64950x65000x65050x65100x65150x65200x65250x65300x65350x65400x65450x65500x65550x65600x65650x65700x65750x65800x65850x65900x65950x66000x66050x66100x66150x66200x66250x66300x66350x66400x66450x66500x66550x66600x66650x66700x66750x66800x66850x66900x66950x67000x67050x67100x67150x67200x67250x67300x67350x67400x67450x67500x67550x67600x67650x67700x67750x67800x67850x67900x67950x68000x68050x68100x68150x68200x68250x68300x68350x68400x68450x68500x68550x68600x68650x68700x68750x68800x68850x68900x68950x69000x69050x69100x69150x69200x69250x69300x69350x69400x69450x69500x69550x69600x69650x69700x69750x69800x69850x69900x69950x70000x70050x70100x70150x70200x70250x70300x70350x70400x70450x70500x70550x70600x70650x70700x70750x70800x70850x70900x70950x71000x71050x71100x71150x71200x71250x71300x71350x71400x71450x71500x71550x71600x71650x71700x71750x71800x71850x71900x71950x72000x72050x72100x72150x72200x72250x72300x72350x72400x72450x72500x72550x72600x72650x72700x72750x72800x72850x72900x72950x73000x73050x73100x73150x73200x73250x73300x73350x73400x73450x73500x73550x73600x73650x73700x73750x73800x73850x73900x73950x74000x74050x74100x74150x74200x74250x74300x74350x74400x74450x74500x74550x74600x74650x74700x74750x74800x74850x74900x74950x75000x75050x75100x75150x75200x75250x75300x75350x75400x75450x75500x75550x75600x75650x75700x75750x75800x75850x75900x75950x76000x76050x76100x76150x76200x76250x76300x76350x76400x76450x76500x76550x76600x76650x76700x76750x76800x76850x76900x76950x77000x77050x77100x77150x77200x77250x77300x77350x77400x77450x77500x77550x77600x77650x77700x77750x77800x77850x77900x77950x78000x78050x78100x78150x78200x78250x78300x78350x78400x78450x78500x78550x78600x78650x78700x78750x78800x78850x78900x78950x79000x79050x79100x79150x79200x79250x79300x79350x79400x79450x79500x79550x79600x79650x79700x79750x79800x79850x79900x79950x80000x80050x80100x80150x80200x80250x80300x80350x80400x80450x80500x80550x80600x80650x80700x80750x80800x80850x80900x80950x81000x81050x81100x81150x81200x81250x81300x81350x81400x81450x81500x81550x81600x81650x81700x81750x81800x81850x81900x81950x82000x82050x82100x82150x82200x82250x82300x82350x82400x82450x82500x82550x82600x82650x82700x82750x82800x82850x82900x82950x83000x83050x83100x83150x83200x83250x83300x83350x83400x83450x83500x83550x83600x83650x83700x83750x83800x83850x83900x83950x84000x84050x84100x84150x84200x84250x84300x84350x84400x84450x84500x84550x84600x84650x84700x84750x84800x84850x84900x84950x85000x85050x85100x85150x85200x85250x85300x85350x85400x85450x85500x85550x85600x85650x85700x85750x85800x85850x85900x85950x86000x86050x86100x86150x86200x86250x86300x86350x86400x86450x86500x86550x86600x86650x86700x86750x86800x86850x86900x86950x87000x87050x87100x87150x87200x87250x87300x87350x87400x87450x87500x87550x87600x87650x87700x87750x87800x87850x87900x87950x88000x88050x88100x88150x88200x88250x88300x88350x88400x88450x88500x88550x88600x88650x88700x88750x88800x88850x88900x88950x89000x89050x89100x89150x89200x89250x89300x89350x89400x89450x89500x89550x89600x89650x89700x89750x89800x89850x89900x89950x90000x90050x90100x90150x90200x90250x90300x90350x90400x90450x90500x90550x90600x90650x90700x90750x90800x90850x90900x90950x91000x91050x91100x91150x91200x91250x91300x91350x91400x91450x91500x91550x91600x91650x91700x91750x91800x91850x91900x91950x92000x92050x92100x92150x92200x92250x92300x92350x92400x92450x92500x92550x92600x92650x92700x92750x92800x92850x92900x92950x93000x93050x93100x93150x93200x93250x93300x93350x93400x93450x93500x93550x93600x93650x93700x93750x93800x93850x93900x93950x94000x94050x94100x94150x94200x94250x94300x94350x94400x94450x94500x94550x94600x94650x94700x94750x94800x94850x94900x94950x95000x95050x95100x95150x95200x95250x95300x95350x95400x95450x95500x95550x95600x95650x95700x95750x95800x95850x95900x95950x96000x96050x96100x96150x96200x96250x96300x96350x96400x96450x96500x96550x96600x96650x96700x96750x96800x96850x96900x96950x97000x97050x97100x97150x97200x97250x97300x97350x97400x97450x97500x97550x97600x97650x97700x97750x97800x97850x97900x97950x98000x98050x98100x98150x98200x98250x98300x98350x98400x98450x98500x98550x98600x98650x98700x98750x98800x98850x98900x98950x99000x99050x99100x99150x99200x99250x99300x99350x99400x99450x99500x99550x99600x99650x99700x99750x99800x99850x99900x99950x100000x100050x100100x100150x100200x100250x100300x100350x100400x100450x100500x100550x100600x100650x100700x100750x100800x100850x100900x100950x101000x101050x101100x101150x101200x101250x101300x101350x101400x101450x101500x101550x101600x101650x101700x101750x101800x101850x101900x101950x102000x102050x102100x102150x102200x102250x102300x102350x102400x102450x102500x102550x102600x102650x102700x102750x102800x102850x102900x102950x103000x103050x103100x103150x103200x103250x103300x103350x103400x103450x103500x103550x103600x103650x103700x103750x103800x103850x103900x103950x104000x104050x1041					
----------	----	--	--	--	--	--	--

ANSI 150		ANSI 300	
DN	150	DN	300
Ø	18" X 12" 16" 14" 12" 10" 8" 6" 4" 3"	Ø	18" X 12" 16" 14" 12" 10" 8" 6" 4" 3"
ØE	305 337 354 381 408	ØE	305 337 354 381
L (RF)	762 864 914 1067	L (RF)	838 914 961
L (BW)	660 762 812 965	L (BW)	762 838 885
L (R)	778 876 926 1080	L (R)	854 930 976
H	317 360 430 485	H	317 360 430
P	310 328 341	P	310 328 347
Max Torque(Nm)	1332 2296 3014 8405	Max Torque(Nm)	1889 3276 4260

ANSI 150	DN	100X300X50X350X400X500X550
	Ø	16" 18" 20" 22" 24" 26"
	ØE	305 357 367 459
	L (RF)	762 864 914 1067
	L (BW)	838 914 961 1143
	L (RJ)	775 876 927 1080
	H	317 360 420 486
	P	310 328 347 420
	Max Torque(Nm)	1332 2236 3014 5405

ANSI 300	400x300x45x35x500x400
DN	16"x12 1/8"
Ø	16"
Ø _g	12 1/8"
L (RF)	305
L (RF)	337
L (BW)	858
L (RJ)	854
L (RJ)	830
H	317
P	310
Max Torque(Nm)	1998
	3172
	4250

ANSI 600	DN	100X300	150X350	200X400
	Ø	16"X12"	18"X14"	20"X16"
	ØE	305	337	367
	L (RP)	991	1092	1194
	L (BW)	991	1092	1194
	L (RU)	994	1095	1200
	H	372	400	459
	P	315	336	390
	Max Torque(Nm)	3078	5214	9614

ANSI 900	DN	200x150	50x150	300x200
	ϕ^*	8" x 6"	10" x 8"	12" x 8"
	ϕE	152	152	203
	L (RF)	737	838	985
	L (BW)	737	838	985
	L (RJ)	740	841	988
	H	284	284	290
	P	190	190	220
	Max Torque(Nm)	1784	1784	2767

ANSI 900	DN	200x150	50x150	300x200
	ϕ^*	8" x 6"	10" x 8"	12" x 8"
	ϕE	152	152	203
	L (RF)	737	838	985
	L (BW)	737	838	985
	L (RJ)	740	841	988
	H	284	284	290
	P	190	190	220
	Max Torque(Nm)	1784	1784	2767

ANSI 1500	DN	200x150
	ø"	8"x8"
	øE	146
	L (KF)	832
	L (BW)	832
	L (RJ)	841
	H	255
	P	185
	Max Torque(Nm) 2752	

ANSI 2500	DN
	Ø
	ØE
	L (RF)
	L (BW)
	L (RJ)
	H
	P
	Max Torque(Nm)

0C20154.26



Notified Body
Identification No.
0948

[illegible]