

VTop Series

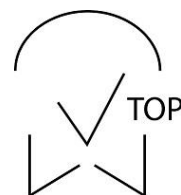
VTOP/I/E

01

2022

PNEUMATIC & ELECTRIC CONTROL VALVES
SINGLE SEAT TWO WAY PN16 – PN40 – ANSI150 – ANSI300

VALVOLE DI REGOLAZIONE PNEUMATICHE ed ELETTRICHE
SEGGIO SINGOLO DUE VIE PN16 – PN40 – ANSI150 – ANSI300



Quick Change Trim



TYPE - TIPO 20VT RA-DA

TYPE - TIPO 50VT RA-DA

TYPE - TIPO 20VT EP

TYPE - TIPO 50VT EP

TYPE - TIPO 20VT EPRX

TYPE - TIPO 50VT EPRX

TYPE - TIPO 20VT EPMX

TYPE - TIPO 50VT EPMX

TYPE - TIPO 20VT EPR

TYPE - TIPO 50VT EPR

20VT Rating PN16 - PN40

50VT Rating PN16-PN40
ANSI150-ANSI300

RA-DA Pneumatic version

RA = Normally close – air opens

DA = Normally open – air closes

Versione pneumatica

RA = Normalmente chiusa – aria apre

DA = Normalmente aperta – aria chiude

20-50 VT EP

Electric version Versione elettrica

High Performance - Alte Prestazioni



PED 2014/68/UE



ATEX 2014/34/UE

CONFLOW s.p.a.

FLOW CONTROL SOLUTIONS

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

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DESCRIPTION

VTop Series is manufactured with single seat globe body, straight way.

Rating PN16 - PN40 - ANSI150 - ANSI300.

"Quick change Trim" for easy maintenance

Configuration :

- Linear
- Equipercutual
- Linear cage profile
- Equipercutual cage profile

Custom design of the internal trim guarantees high values of "rangeability" assuring a low erosion of the internals and a long product life cycle.

Simple cage trim from DN 15 to DN 50, with balanced piston plug from DN 65 to DN 200.

Any kind of internal seat diameter is available.

The standard bonnet configuration is extended type, suitable for temperatures up to 250 °C.

Bonnet type on request:

- Finned for high temperatures
- Bellow seal with extension for hazardous media
- Extended for low temperatures

All valves are equipped with actuators produced by CONFLOW SPA, multi-springs pneumatic diaphragm with control or ON-OFF action. Electric powered linear actuators std and ATEX , made in Germany, are also available.

MAIN FEATURES

- **Size** from DN15 to DN200
Wide operating temperature – 20 °C to + 400/425 °C
Up to – 196 °C with optional special extended bonnet
- **Ratings**
PN16 - PN40 face to face EN 558-1
ANSI150 - ANSI300 face to face ASME/ANSI B16.10
- **Standard Connections**
EN 1092-1 PN16 – PN40 form B std
On request form C-D-E-F
ANSI B16.5 150 RF – 300 RF
On request
ANSI B16.5 -150 / 300 RF – RJ
BW ANSI B16.25
SW up to Ø 2"
- **Bonnet as base – 20 / + 250 °C**
On request :
Finned Bonnet with Lubricator +251 / +300 °C
Finned Bonnet with Labyrinth and Lubricator +301 / +425 °C
Bonnet with Bellows seal PN16 – PN25 – PN40
Extended Bonnet for low temperatures -21 / -196°C
- **Packing**
PTFE "V" rings up to 190 °C
PTFE/GR "V" rings up to 200 °C
(85% PTFE + 15% GRAPHITE
PURE GRAPHITE over 220 °C
- **Trim** quick change – seat & plug with stellite Gr. 6
- **Leakage class** ANSI B16.104 std class IV°
On request class V° and class VI°

DESCRIZIONE

La serie **VTop** è costruita con corpo a globo seggio singolo via diritta.

Rating PN16 – PN40 – ANSI150 – ANSI300.

"Quick change Trim"- Cambio veloce del "trim" interno.

Configurazione :

- Lineare
- Equipercutuale
- Lineare a gabbia
- Equipercutuale a gabbia

La configurazione del trim consente alti valori di "rangeability" riducendo anche i fenomeni di erosione degli interni e garantendo lunga vita al prodotto.

Trim a gabbia semplice dal DN 15 al DN 50, con otturatore a pistone bilanciato dal DN 65 al DN 200 .

Sono disponibili in tutti i tipi di passaggi interni.

La configurazione del bonnet è del tipo esteso, di serie, adatto per temperature std fino a 250 °C.

A richiesta bonnet :

- Alettato per alte temperature
- Prolungato con soffiotti per fluidi pericolosi
- Allungato per basse temperature

Tutte le valvole sono equipaggiate con attuatori originali CONFLOW SPA, pneumatici a diaframma di regolazione o ON-OFF con molla di ritorno oppure con attuatori elettrici lineari std e ATEX made in Germany.

CARATTERISTICHE PRINCIPALI

- **Diametri** da DN15 al DN200
Ampia gamma di temperature da -20 °C a + 400/425 °C
fino a – 196 °C con prolunga allungata speciale
- **Ratings**
PN16 – PN40 scartamento EN 558-1
ANSI150 – ANSI300 scartamento ASME/ANSI B16.10
- **Connessioni standard**
EN 1092-1 PN16 – PN40 forma B std
A richiesta form C-D-E-F
ANSI B16.5 150 RF – 300 RF
A richiesta :
ANSI B16.5 – 150 / 300 RF - RJ
BW ANSI B16.25
SW fino a Ø 2"
- **Bonnet di serie – 20 / + 250 °C**
A richiesta :
Bonnet Alettato con Ingrassatore +251 / +300 °C
Bonnet Alettato con Labirinto e Ingrassatore +301 / +425 °C
Bonnet prolungato con soffiotto PN16 - PN25 - PN40
Bonnet Allungato per basse temperature -21 / -196 °C
- **Premistoppa**
PTFE "V" rings fino a 190 °C
PTFE/GR "V" rings fino a 200 °C
(85% PTFE – 15% GRAFITE PURA
GRAFITE PURA sopra 200 °C
- **Interni** con cambio veloce – sede e otturatore stellitati Gr. 6
- **Classificazione perdite** ANSI B16.104 classe IV°
A richiesta classe V° - classe VI°

VTop Series

CODE SYSTEM – CODIFICA

Series Serie	DN	Body Materials Materiale Corpo	Flanged Flangiatura	Bore Passaggio	Trim Interni	Seal Tenuta	Gasket Tenuta
2T	040	B	40B	FB	CE	S	0

VTop Series – Type 20VT = 2T – Type 50VT = 5T	015 = DN 15	A = EN-GJL-250 UNI EN 1561	16B = PN16 form B	FB = full bore pass.pieno	CE = Contoured % EQP profilato ≤ DN 50	S = Stellite Gr.6 Class IV° STD	0 = STD
	020 = DN 20	B = GP240GH+N EN 10213:2008	40B = PN40 form B	03 = Ø 1/8"	CL = Contoured linear Lineare profilato ≤ DN 50	V = Stellite Gr.6 Class V°	T = PTFE
	025 = DN 25	B = ASTM A216M-16 WCB	16.= PN 16 form C-D-E-F	05 = Ø 3/16"	CT = Quick opening Apertura rapida	R = PTFE/GR Class VI°	
	032 = DN 32	C = ASTM A351M-16 CF8M	40. = PN 40 form C-D-E-F	06 = Ø 1/4"	MF = (microflow) Contoured linear Lineare profilato ≤ Ø 3/8"	T = PTFE Class VI°	
	040 = DN 40	Y = special material materiale speciale	15R = ANSI 150 RF	10 = Ø 3/8"	1S = (microflow) Contoured % 1 milling EQP profilato 1 sguscio Ø 3/8" - Ø 1/4"		
	050 = DN 50		15J = ANSI 150 RJ	15 = Ø 1/2"	2S = (microflow) Contoured % 2 milling EQP profilato 2 sg. Ø 3/8" - Ø 1/4"		
	065 = DN 65		30R = ANSI 300 RF	20 = Ø 3/4"	C1 = Contoured % + Cage LN EQP prof. + Gabbia LN ≤ DN 50		
	080 = DN 80		30J = ANSI 300 RJ	25 = Ø 1"	C2 = Cont. Linear + Cage LN Lin. prof. + Gabbia LN ≤ DN 50		
	100 = DN 100		SWE = socket welding	32 = Ø 1.1/4"	1E = 1 st Cage EQV 1° Gabbia EQV		
	125 = DN 125		BWE = but welding	40 = Ø 1.1/2"	2E = 1 st Cage EQV - 2 nd LN 1° Gabbia EQV - 2° LN		
	150 = DN 150			50 = Ø 2"	3E = 1 st Cage EQV 2/3 rd LN 1° Gabbia EQV 2/3° LN		
	200 = DN 200			65 = Ø 2.1/2"	1L = 1 st Cage LIN 1° Gabbia LIN		
				80 = Ø 3"	2L = 1 st Cage LIN - 2 nd LN 1° Gabbia LIN - 2° LN		
				4" = Ø 4"	3L = 1 st Cage LIN - 2/3 rd LN 1° Gabbia LIN - 2/3° LN		
				5" = Ø 5"			
				6 = Ø 6"			

To be continued ... Segue codifica

VTop Series

CODE SYSTEM – CODIFICA

Bolts <i>Bulloneria</i>	Bonnet <i>Bonnet</i>	Guide bush <i>Bussola</i>	Packing <i>Premistoppa</i>	Pneumatic Actuator <i>Attuatore Pneumatico</i>	Extra Actuator <i>Extra Attuatore</i>	Stroke <i>Corsa</i>	Signal <i>Segnale</i>
0	0	0	R	T2	0	19	B
0 = STD	0 = STD	0 = STD	G = Pure Graphite Grafite Pura	T1 = T200 X1 = T200 A304 L1 = T200 L.T. K1 = T200 A304 L.T. N1 = T200 A304 + Yoke Nickel Plated Castello Nichelato	0 = STD	19 = 19 mm	A = 3-15 psi
1 = AISI 304	E = Extendend Bonnet Proluga Allungata	H = Steelite Gr.6	I = Lubricator + Graphite Ingrassatore + Grafite	T2 = T250 X2 = T250 A304 L2 = T250 L.T. K2 = T250 A304 L.T. N2 = T250 A304 + Yoke Nickel Plated Castello Nichelato	D = DA Manual Handewheel	28 = 28 mm	B = 6-18 psi
2 = AISI 316	P = Finned Bonnet Prolunga Alettata	R = Scraper Raschiatore	L = Labyrinth + Lubricator + Graphite Labirinto + Ingra. + Grafite	T3 = T310 X3 = T310 A304 L3 = T310 L.T. K3 = T310 A304 L.T. N3 = T310 A304 + Yoke Nickel Plated Castello Nichelato	R = RA Manual Handewheel	40 = 40 mm	C = 6-30 psi
	S = Bonnet with Bellows seal PN 16 Prolunga con soffietto PN 16		R = PTFE/GR	T4 = T400 X4 = T400 A304 L4 = T400 Low Temp. K4 = T400 A304 L.T. N4 = T400 A304 + Yoke Nickel Plated Castello Nichelato		50 = 50 mm	D = 35 psi
	T = Bonnet with Bellows seal PN 25 Prolunga con soffietto PN 25		T = PTFE	T5 = T500 X5 = T500 A304 L5 = T500 Low Temp. K5 = T500 A304 L.T. N5 = T500 A304 + Yoke Nickel Plated Castello Nichelato			
	U = Bonnet with Bellows seal PN 40 Prolunga con soffietto PN 40						
	Y = Extendend Bonnet for cryogenic Proluga Allungata ad uso criogenico						

To be continued ... Segue codifica

VTop Series

CODE SYSTEM – CODIFICA

Bolts <i>Bulloneria</i>	Bonnet <i>Bonnet</i>	Guide bush <i>Bussola</i>	Packing <i>Premistoppa</i>	Electric Actuator <i>Attuatore Elettrico</i>	Extra Actuator <i>Extra Attuatore</i>	Stroke <i>Corsa</i>	Signal <i>Segnale</i>
0	0	0	R	C1	0	19	B
0 = STD	0 = STD	0 = STD	G = Pure Graphite Grafite Pura	M2 = PSL AMS 202 M3 = PSL AMS 208 M4 = PSL AMS 204 M5 = PSL AMS 214 M6 = PSL AMS 210 M7 = PSL AMS 320 M8 = PSL AMS 325	1 = 220 VAC	19 = 19 mm	A = 3-15 psi
1 = AISI 304	E = Extendend Bonnet Proluga Allungata	H = Steelite Gr.6	I = (Lubricator + Graphite) (Ingrassatore + Grafite)	C1 = PSF-M402-EX T4 M10 C2 = PSF-M402-EX T6 M10 C3 =PSF-M402-EX T4 M14 C4 = PSF-M402-EX T6 M14	2 = 110 VAC	28 = 28 mm	B = 6-18 psi
2 = AISI 316	P = Finned Bonnet Prolunga Alettata	R = Scraper Raschiatore	L = (Labyrinth + Lubricator + Graphite) (Labirinto + Ingra. + Grafite)	D1 = PSF-M405-EX T4 M10 D2 = PSF-M405-EX T6 M10 D3 = PSF-M405-EX T4 M14 D4 = PSF-M405-EX T6 M14	3 = 24 VAC	40 = 40 mm	C = 6-30 psi
	S = Bonnet with Bellows seal PN 16 Prolunga con soffietto PN 16		R = PTFE/GR	E1 = PSF402.1SE-EX T4 M10 E2 = PSF402.1SE-EX T6 M10 E3 = PSF402.1SR-EX T4 M10 E4 = PSF402.1SR-EX T6 M10 E5 = PSF402.1SE-EX T4 M14 E6 = PSF402.1SE-EX T6 M14 E7 = PSF402.1SR-EX T4 M14 E8 = PSF402.1SR-EX T6 M14	4 = 24 VDC	50 = 50 mm	D = 35 psi
	T = Bonnet with Bellows seal PN 25 Prolunga con soffietto PN 25		T = PTFE	F1 = PSF402.1SE-M10 F2 = PSF402.1SR-M10 F3 = PSF402.1SE-M14 F4 = PSF402.1SR-M14	5 = 380 VAC		
	U = Bonnet with Bellows seal PN 40 Prolunga con soffietto PN 40				7 = 24 VAC/DC		
	Y = Extendend Bonnet for cryogenic Proluga Allungata ad uso criogenico						

Pressure and Temperature System Pressioni e Temperature di Progetto

CAST IRON – Ghisa EN-GJ-L250 UNI EN 1561						
Class Classe	Tested Prova	MINIMUM and MAXIMUM OPERATING TEMPERATURE °C MINIMA e MASSIMA TEMPERATURA DI ESERCIZIO °C				
		-5	120	150	180	200
PN 16	25 barg	MAXIMUM OPERATING PRESSURE barg MASSIMA PRESSIONE DI ESERCIZIO barg				
		16	16	14,4	13,4	13

CARBON STEEL – Acciaio Carbonio GP240GH+N EN 10213									
Class Classe	Tested Prova	MINIMUM and MAXIMUM OPERATING TEMPERATURE °C MINIMA e MASSIMA TEMPERATURA DI ESERCIZIO °C							
		-20	100	150	200	250	300	350	400
PN 40	60 barg	MAXIMUM OPERATING PRESSURE barg MASSIMA PRESSIONE DI ESERCIZIO barg							
		40	37,1	35,2	33,3	30,4	27,6	25,7	23,8

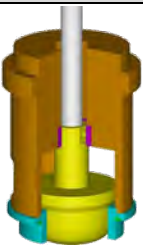
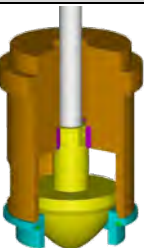
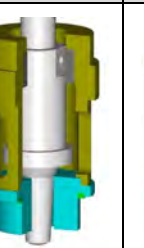
CARBON STEEL – Acciaio Carbonio ASTM A216 M-16 WCB									
Class Classe	Tested Prova	MINIMUM and MAXIMUM OPERATING TEMPERATURE °C MINIMA e MASSIMA TEMPERATURA DI ESERCIZIO °C							
		-20	100	150	200	250	300	350	425
		MAXIMUM OPERATING PRESSURE barg MASSIMA PRESSIONE DI ESERCIZIO barg							
PN 40	60 barg	40	37,1	35,2	33,3	30,4	27,6	25,7	23,8
ANSI 150	30 barg	20	17,7	15,8	14	12,1	10,2	8,4	5,6
ANSI 300	75 barg	50	46,4	38,7	43,8	41,7	38,7	37	28,8

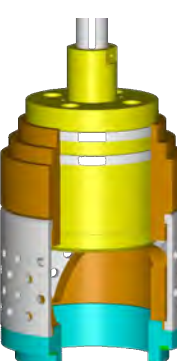
ACCIAIO INOX – Stainless Steel ASTM A351M-16 CF8M									
Class Classe	Tested Prova	MINIMUM and MAXIMUM OPERATING TEMPERATURE °C MINIMA e MASSIMA TEMPERATURA DI ESERCIZIO °C							
		-196	100	150	200	250	300	350	425
		MAXIMUM OPERATING PRESSURE barg MASSIMA PRESSIONE DI ESERCIZIO barg							
PN 40	60 barg	40	37,9	34,4	31,8	29,9	27,6	26,4	18,5
ANSI 150	30 barg	20	16,2	14,8	13,7	12,1	10,2	8,4	5,6
ANSI 300	75 barg	50	46,4	38,7	35,7	33,4	31,6	30,4	28,7

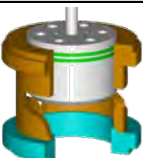
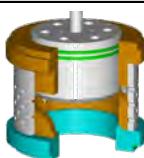
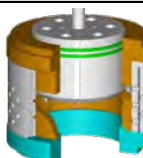
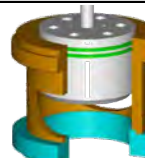
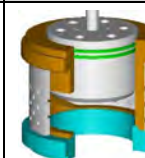
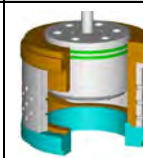
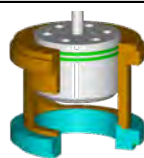
Other Materials on request – Altri Materiali a richiesta

CONFIGURATION TRIM STELLITED Gr.6 AS BASE

CONFIGURAZIONE TRIM STELLITE Gr.6 DI SERIE

DN	CE	CL	CT	C1	C2	MF	1S-2S
							
	Shape % Profilo %	Shape Linear Profilo Lineare	On-Off	% + Cage Drilled % + Gabbia Forata	Linear + Cage Drilled Lineare + Gabbia Forata	Linear Microflow Microflusso Lineare	Microflow % Microflusso %
15	✓	✓	✓	✓	✓	✓	✓
20	✓	✓	✓	✓	✓	✓	✓
25	✓	✓	✓	✓	✓	✓	✓
32	✓	✓	✓	✓	✓	n.a.	n.a.
40	✓	✓	✓	✓	✓	n.a.	n.a.
50	✓	✓	✓	✓	✓	n.a.	n.a.

DN	1E	2E	1L	2L	CT
					
	1 % Cage 1 Gabbia %	1 % + 2 nd Cage Drilled 1 Gabbia % + 2° Forata	1 Linear Cage 1 Gabbia Lineare	1 LIN + 2 nd Cage Drilled 1 Gabbia Lin + 2° Forata	On-Off
65	✓	✓	✓	✓	✓
80	✓	✓	✓	✓	✓
100	✓	✓	✓	✓	✓

DN	1E	2E	3E	1L	2L	3L	CT
							
	1 % Cage 1 Gabbia%	1 % + 2 nd Cage Drilled 1 Gabbia % + 2° Forata	1 % + 2/3 rd Cage Drilled 1 Gabbia % + 2°/3° Forata	1 Linear Cage + 1 Gabbia Lineare	1 Linear + 2 nd Cage Drilled 1 Gabbia LIN + 2° Forata	1 Linear + 2/3 rd Cage Drilled 1 Gabbia LIN + 2°/3° Forata	On-Off
125	✓	✓	✓	✓	✓	✓	✓
150	✓	✓	✓	✓	✓	✓	✓
200	✓	✓	✓	✓	✓	✓	✓

OPTIONAL TRIM

OPZIONI TRIM

STELLITE ON GUIDE BUSHING – STELLITE SU BUSSOLA GUIDA

Stellited (6 degree of hardness) guide bushing is recommended when operating temperature is over 250 °C (in case of steam and superheated water) or in case of severe pressure drop.

E' raccomandata la stelliteatura (grado 6) della bussola guida quando la temperatura è superiore a 250°C (in caso di vapore o acqua surriscaldata) oppure in presenza di elevata pressione differenziale.

CONFIGURATION BODY BOLTS

CONFIGURAZ. BULLONERIA CORPO

VERSION - Versione	Min. Temp. °C	Max Temp. °C
STANDARD A193 B7 + A194 2H STANDARD A193 B7 + A194 2H	- 20	+300
STAINLESS STEEL A2 / A193B8 +A194 Gr.8 ACCIAIO INOX A2 / A193B8 +A194 Gr.8	-196	+425
STAINLESS STEEL A4 / A193B8M +A194 Gr.8M ACCIAIO INOX A2 / A193B8M +A194 Gr.8M	-196	+425

CONTROL VALVE SEAT LEAKAGE ACCORDING ANSI B16.104 PROCEDURE "B"

TEST FLUID SHALL BE WATER 10÷52 °C

CLASSIFICAZIONE DELLE PERDITE IN ACCORDO ANSI B16.104 PROCEDURA "B"

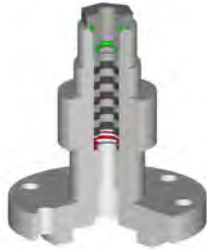
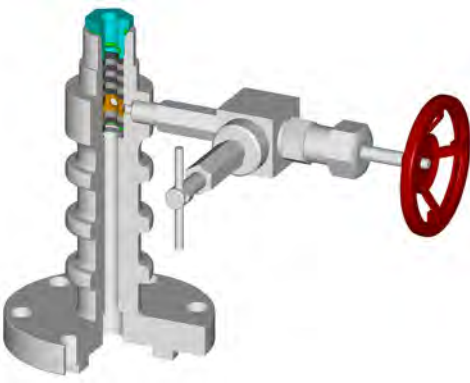
PROCEDURA DI PROVA CON ACQUA 10÷52 °C

CLASSE STD CLASS CLASSE STD	IV°	V°	VI°
RATED CAPACITY CV-KV CLASSE STD	0,01%	0,0005 mL/min (1)	PERFECT TIGHTNESS TENUTA PERFETTA
EXECUTION ESECUZIONE	STD	ON REQUEST SU RICHIESTA	ON REQUEST SU RICHIESTA

(1) Per inch of orifice diameter per psi of differential - Per pollice di diametro per psi di pressione differenziale

BONNET CONFIGURATION

CONFIGURAZIONE BONNET

			
STANDARD BONNET BONNET STANDARD	FINNED BONNET BONNET ALETTATO	EXTENDED BONNET BONNET ALUNGATO	BONNET with BELLOWS BONNET con SOFFIETTO
Suitable for temperatures between - 20° C / + 250° C Stem lubricator on request Per temperature comprese tra - 20° C / + 250° C A richiesta Ingrassatore	Suitable for temperatures over + 250°C with Lubricator Per temperature superiori a + 250° C con Ingrassatore	Suitable for temperatures below - 20° C Per temperature inferiori a - 20° C Special execution for cryogenic application -196°C Esecuzione speciale per applicaz. Criogeniche - 196°C	Suitable for dangerous fluids (see table for the maximum operating pressure) Per fluidi pericolosi (vedi tabella relativa alle massime pressioni di esercizio)

PACKING CONFIGURATION

CONFIGURAZIONE PREMISTOPPA

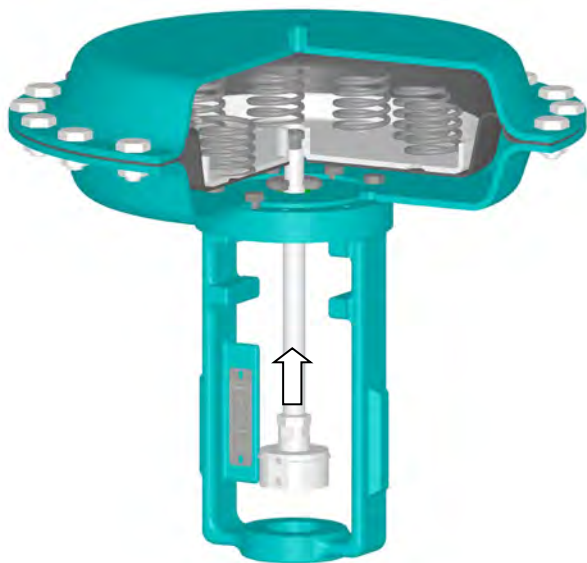
PURE TEFLON TEFLON PURO (100%)	GRAPHITE + TEFLON GRAFITE + TEFLON (85% + 15%)	PURE GRAPHITE GRAFITE PURA (100%)	BELLOWS SEAL with safety packing SOFFIETTO DI TENUTA con premistoppa di sicurezza					
Suitable for temperatures up to 190°C Suggested for fluid and gas service. TA-Luft approved VDI 2440 DN15-100 Adatto per temperature fino a 190°C Consigliato per l'impiego su fluidi e gas.	Suitable for temperatures up to +200°C. Suggested for steam and fluid service. Adatto per temperature fino a +200°C. Consigliato per l'impiego su vapori e fluidi.	Suitable for temperatures up to +425°C. Suggested for steam and fluid service at high temperatures. Adatto per temperature fino a +425°C. Consigliato per l'impiego su vapori e fluidi ad alta temperatura. ≤ 250 °C only pure graphite ≥ 250 ≤ 300°C pure graphite with lubricator ≥ 300 °C ≤ 425 °C pure graphite with labyrinth and lubricator ≤ 250 °C solo grafite pura ≥ 250 ≤ 300°C grafite pura con ingrassatore ≥ 300 °C ≤ 425 °C grafite pura con labirinto e ingrassatore	PN16 AISI 316 Double wall Doppia Parete 0,15 mm	PN25 (1) AISI 316 Triple wall Tripla Parete 0,15 mm	PN40 (2) AISI 316 Triple wall Tripla Parete 0,20 mm			
			barg	°C	barg	°C	barg	°C
			16	20	25	20	40	20
			15	60	23	60	32	100
			14	80	21	80	27	200
			13	100	20	100	25	260
			12	140	19	140	23	300
			11	180	17	180	22	360
			10	220	16	220	20	400
			9	380	15	280	15	620
			8	540	14	340	10	660
			7	600	13	400	7	700
			5	640	10	600	3	800
			3	700	8	640		
			1	800	5	680		
					2	800		

(1) Maximum permissible pressure drops, must be reduced of 35% when triple wall bellows seal PN25 is applied.
(1) L'applicazione del soffietto PN25 triplice parete comporta la riduzione del 35% dei valori di pressione differenziale.

(2) Maximum permissible pressure drops, must be reduced of 50% when triple wall bellows seal PN40 is applied.
L'applicazione del soffietto PN40 triplice parete comporta la riduzione del 50% dei valori di pressione differenziale.

CONFIGURATION DIAPHRAGM PNEUMATIC ACTUATOR

CONFIGURAZIONE ATTUATORE PNEUMATICO A DIAFRAMMA

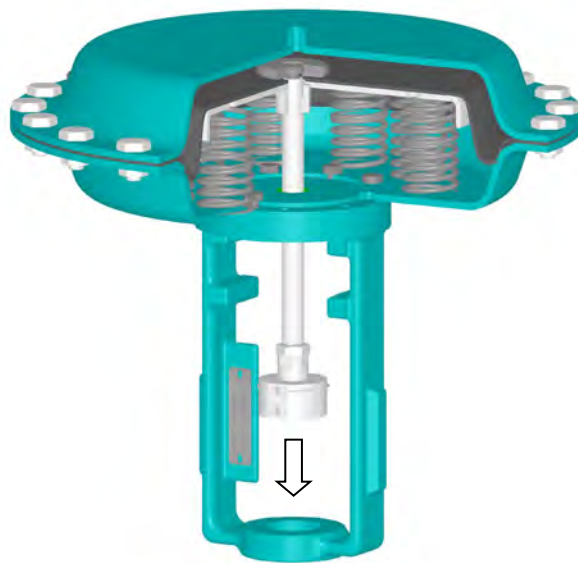


Type – Tipo RA

REVERSE ACTING
Normally Closed - Air Opens

AZIONE ROVESCIA
Normalmente Chiuso - Aria Apre

Standard version Ambient Temperature -20/+70 °C
Versione Standard Temperatura Ambiente -20/+70 °C



Type – Tipo DA

DIRECT ACTING
Normally Open - Air Closes

AZIONE DIRETTA
Normalmente Aperto - Aria Chiude

Standard version Ambient Temperature -20/+70 °C
Versione Standard Temperatura Ambiente -20/+70 °C

ON REQUEST

Low Temp. Version Ambient Temperature
VMQ -50/+80 °C

A RICHIESTA

Versione Bassa Temperatura Temperatura Ambiente
VMQ -50/+80 °C

OPTIONALS

Top Manual handwheel
Pneumatic Analogic Positioner
Electropneumatic Analogic Positioner
Electropneumatic Smart Positioner
Air Filter Regulator
Lock-up
Solenoid valve
Mechanical switches
Proximity switches
Air Flow Regulator
Single or Double stainless steel TAG plate

ACCESSORI - OPZIONALI

Volantino manuale di testa
Posizionatore analogico pneumatico
Posizionatore analogico elettropneumatico
Posizionatore smart elettro-pneumatico
Filtro Riduttore
Rele' di Blocco
Valvola solenoide
Fine corsa meccanici
Fine corsa di prossimità
Regolatore di flusso
Singola o Doppia targa TAG in acciaio inox

CONFIGURATION ELECTRIC ACTUATORS

CONFIGURAZIONE ATTUATORI ELETTRICI



**SMART Actuator
AMS Series**
Tension Opens and Closes

On request :

Mechanical switches
Heating resistor
IP67 protection
Protocollo Profibus

Fail-Safe Device PSCP
Design for 500.000 load cycle

**Attuatore SMART
Serie AMS**
Tensione Apre e Chiude

A richiesta :

Fine Corsa meccanici
Resistenza di riscaldamento
Protezione IP67
Profibus Protocol

Dispositivo Fail-Safe PSCP
Progettato per 500.000 cicli



PSF Series
Brushless DC motor BLDC

PSF-EX ATEX Actuator

PSF.402.1(SR-SE)-EX
Spring Return Fail Safe Version

PSFM.402/405-EX
Opens and Closes Version with
Manual handwheel

II 2G Ex db eb IIC T6/T4 Gb
II 2D Ex tb IIIC T80°C/T100°C Db
-10°C ≤ Ta ≤ +40°C (T6)
-10°C ≤ Ta ≤ +60°C (T4)
Supply 24VAC/DC or
Supply 100-240 VAC

PSF402 Actuator (no ATEX)

Spring Return Fail Safe Version
Ta -10/+60 °
Supply 24VAC/DC or
Supply 100-240 VAC

On request PSF-EX :

Higher Enclosure to IP67
Diagnosis Kit including software
And USB data cable

On request PSF:

Higher Enclosure to IP67
n° 2 Position signal switches
mechanical 2WE or 2WE gold
n° 2 Position signal relays
24V to 230V AC/DC @ 0,1-1A
Heating Resistor

Serie PSF
Brushless DC motor BLDC

Attuatore PSF-EX ATEX

PSF.402.1(SR-SE)-EX
Versione con Ritorno a Molla

PSFM.402/405-EX
Versione Tensione Apre e Chiude
con volantino manuale

II 2G Ex db eb IIC T6/T4 Gb
II 2D Ex tb IIIC T80°C/T100°C Db
-10°C ≤ Ta ≤ +40°C (T6)
-10°C ≤ Ta ≤ +60°C (T4)
Alimentazione 24VAC/DC o
Alimentazione 100-240 VAC

Attuatore PSF402 (no ATEX)

Versione con Ritorno a Molla
Ta -10/+60 °C
Alimentazione 24VAC/DC o
Alimentazione 100-240 VAC

A richiesta PSF-EX :

Protezione IP67
Kit diagnostico software
e cavo USB

A richiesta PSF:

Protezione IP67
n°2 Fine corsa meccanici
2WE o 2WE gold
n° 2 Relè di posizione
da 24V a 230V AC/DC @ 0,1-1A
Resistenza di Riscaldamento

KV coefficients (max 100 %)
According IEC 60534-2-3 : 2015
CV = KV x 1,156098

Coefficienti KV (max 100 %)
In accordo IEC 60534-2-3 : 2015
CV = KV x 1,156098

VALVE SIZE		PORT	SEAT	TRAVEL	CV - KV max 100 %						
DIAMETRO VALVOLA		PASS.	SEDE	CORSA							
DN	Ø	Ø	Ø mm	mm	TYPE OF TRIM – TIPOLOGIA DEL TRIM						
					CV-KV	CE	CL	CT	MF	1S	2S
15	1/2"	1/8"	3,3	19	CV	n.a.			0,24	n.a.	
					KV				0,21		
		3/16"	5		CV				0,57		
					KV				0,49		
		1/4"	6,5		CV				0,96	0,24	0,46
					KV				0,83	0,21	0,40
		3/8"	9,5		CV				2,06	0,47	0,87
					KV				1,78	0,41	0,75
		1/2"	16		CV	5,12	5,12	5,17	n.a.		
					KV	4,43	4,43	4,47			
20	3/4"	1/8"	3,3	19	CV	n.a.			0,24	n.a.	
					KV				0,21		
		3/16"	5		CV				0,57		
					KV				0,49		
		1/4"	6,5		CV				0,96	0,24	0,46
					KV				0,83	0,21	0,40
		3/8"	9,5		CV				2,06	0,47	0,87
					KV				1,78	0,41	0,75
		1/2"	16		CV	5,12	5,12	5,17	n.a.		
					KV	4,43	4,43	4,47			
		3/4"	21		CV	7,50	7,50	7,78			
					KV	6,49	6,49	6,73			
25	1"	1/8"	3,3	19	CV	n.a.			0,24		
					KV				0,21		
		3/16"	5		CV				0,57		
					KV				0,49		
		1/4"	6,5		CV				0,96	0,24	0,46
					KV				0,83	0,21	0,40
		3/8"	9,5		CV				2,06	0,47	0,87
					KV				1,78	0,41	0,75
		1/2"	16		CV	5,12	5,12	5,17	n.a.		
					KV	4,43	4,43	4,47			
		3/4"	21		CV	7,50	7,50	7,78			
					KV	6,49	6,49	6,73			
		1"	26		CV	10,69	10,69	11,10			
					KV	9,25	9,25	9,60			

n.a. = not applicable / non applicabile

KV coefficients (max 100 %)
According IEC 60534-2-3 : 2015
 $CV = KV \times 1,156098$

Coefficienti KV (max 100 %)
In accordo IEC 60534-2-3 : 2015
 $CV = KV \times 1,156098$

VALVE SIZE		PORT	SEAT	TRAVEL	CV - KV max 100 %						
DIAMETRO VALVOLA		PASS.	SEDE	CORSA							
DN	Ø	Ø	Ø mm	mm	TYPE OF TRIM – TIPOLOGIA DEL TRIM						
					CV-KV	CE	CL	CT			
32	1.1/4	1/2"	16	19	CV	5,12	5,12	5,17			
					KV	4,43	4,43	4,47			
		3/4"	21		CV	7,50	7,50	7,78			
					KV	6,49	6,49	6,73			
		1"	26		CV	10,69	10,69	11,10			
					KV	9,25	9,25	9,60			
		1.1/4"	33		CV	18,89	19,32	19,68			
					KV	16,34	16,71	17,02			
40	1.1/2	1/2"	16	19	CV	5,12	5,12	5,17			
					KV	4,43	4,43	4,47			
		3/4"	21		CV	7,50	7,50	7,78			
					KV	6,49	6,49	6,73			
		1"	26		CV	10,69	10,69	11,10			
					KV	9,25	9,25	9,60			
		1.1/4"	33		CV	18,89	19,32	19,68			
					KV	16,34	16,71	17,02			
		1.1/2"	40		CV	25,14	26,67	28,65			
					KV	21,74	23,07	24,78			
		50	2"		1/2"	16	19	CV	5,12	5,12	5,17
								KV	4,43	4,43	4,47
3/4"	21			CV	7,50	7,50		7,78			
				KV	6,49	6,49		6,73			
1"	26			CV	10,69	10,69		11,10			
				KV	9,25	9,25		9,60			
1.1/4"	33			CV	18,89	19,32		19,68			
				KV	16,34	16,71		17,02			
1.1/2"	40			CV	25,14	26,67		28,65			
				KV	21,74	23,07		24,78			
2"	50			28	CV	37,04		40,17	40,71		
					KV	32,04		34,75	35,21		

n.a. = not applicable / non applicabile

CV - KV coefficients (max 100 %)

According IEC 60534-2-3 : 2015

CV = KV x 1,156098

Coefficienti CV - KV (max 100 %)

In accordo IEC 60534-2-3 : 2015

CV = KV x 1,156098

VALVE SIZE		PORT	SEAT	TRAVEL	CV - KV max 100 %			
DIAMETRO VALVOLA		PASS.	SEDE	CORSA				
DN	Ø	Ø	Ø mm	mm	TYPE OF TRIM – TIPOLOGIA DEL TRIM			
					CV-KV	1E	1L	CT
65	2.1/2"	1.1/2"	40	19	CV	25,14	26,67	28,65
					KV	21,74	23,07	24,78
		2	50	28	CV	37,04	40,17	40,72
					KV	32,04	34,75	35,22
		Ø	Ø mm	mm	CV-KV	1E - 2E / 1L - 2L / CT		
		2.1/2"	64	40	CV	68,61		
					KV	59,35		

80	3"	Ø	Ø mm	mm	CV-KV	1E	1L	CT
		2"	50	28	CV	37,04	40,17	40,72
					KV	32,04	34,75	35,22
		Ø	Ø mm	mm	CV-KV	1E - 2E / 1L - 2L / CT		
		2.1/2"	64	40	CV	68,61		
					KV	59,35		
		3"	72		CV	108,67		
					KV	94,00		

100	4"	Ø	Ø mm	mm	CV-KV	1E - 2E / 1L - 2L / CT		
		2.1/2"	64	40	CV	68,61		
					KV	59,35		
		3"	72		CV	108,67		
					KV	94,00		
		4"	76		CV	140,49		
					KV	121,52		

125	5"	Ø	Ø mm	mm	CV-KV	1E - 2E / 1L - 2L / CT		
		2.1/2"	64	40	CV	68,61		
					KV	59,35		
		3"	72		CV	108,67		
					KV	94,00		
		4"	76		CV	140,49		
					KV	121,52		
		Ø	Ø mm	mm	CV-KV	1E - 2E - 3E	1L - 2L - 3L	CT
		5"	98	50	CV	219,38	219,38	219,38
					KV	189,75	189,75	189,75

150	6"	Ø	Ø mm	mm	CV-KV	1E - 2E / 1L - 2L / CT		
		3"	72	40	CV	108,67		
					KV	94,00		
		4"	76		CV	140,49		
					KV	121,52		
		Ø	Ø mm	mm	CV-KV	1E - 2E - 3E	1L - 2L - 3L	CT
		5"	98	50	CV	219,38	219,38	219,38
					KV	189,75	189,75	189,75
		6"	110		CV	258,63	274,95	276,40
					KV	223,70	237,81	239,06

200	8"	Ø	Ø mm	mm	CV-KV	1E - 2E - 3E	1L - 2L - 3L	CT
		5"	98	50	CV	219,38	219,38	219,38
					KV	189,75	189,75	189,75
		6"	110		CV	258,63	274,95	276,40
					KV	223,70	237,81	239,06
		8"	152		CV	353,76	367,60	488,90
					KV	305,97	317,94	422,86



Rangeability CV-KV / coefficient

Rangeability CV-KV / coefficiente

DN	Ø	Travel-Corsa mm	TYPE OF TRIM – TIPOLOGIA DEL TRIM				
			CE	CL	MF	1S	2S
15	1/8"	19	n.a.		1/10	n.a.	
	3/16"				1/10		
	1/4"				1/12	1/7	1/13
	3/8"				1/14	1/9	1/18
	1/2"		1/23	1/14	n.a.		
20	1/8"	19	n.a.		1/10	n.a.	
	3/16"				1/10		
	1/4"				1/12	1/7	1/13
	3/8"				1/14	1/9	1/18
	1/2"		1/23	1/14	n.a.		
	3/4"		1/31	1/18			
25	1/8"	19	n.a.		1/10	n.a.	
	3/16"				1/10		
	1/4"				1/12	1/7	1/13
	3/8"				1/14	1/9	1/18
	1/2"		1/23	1/14	n.a.		
	3/4"		1/31	1/18			
	1"		1/37	1/29			
32	1/2"	19	1/23	1/14	n.a.		
	3/4"		1/31	1/18			
	1"		1/37	1/29			
	1.1/4"		1/32	1/27			
40	1/2"	19	1/23	1/14	n.a.		
	3/4"		1/31	1/18			
	1"		1/37	1/29			
	1.1/4"		1/32	1/27			
	1.1/2"		1/39	1/17			
50	1/2"	19	1/23	1/14	n.a.		
	3/4"		1/31	1/18			
	1"		1/37	1/29			
	1.1/4"		1/32	1/27			
	1.1/2"		1/39	1/17			
	2"	28	1/50	1/45			

DN	Ø	mm	1E	1L	1E - 2E / 1L-2L
65	1.1/2"	19			n.a.
	2"	28	1/50	1/55	n.a.
	2.1/2"	40	n.a.	n.a.	1/24
80	2"	28	1/50	1/45	n.a.
	2.1/2"	40	n.a.		1/24
	3"				1/19
100	2.1/2"	40	n.a.		1/24
	3"				1/19
	4"				1/39

DN	Ø	mm	1E - 2E - 3E		1L - 2L - 3L	
125	2.1/2"	40	1/24	3L - n.a.	1/24	3L - n.a.
	3"		1/19		1/19	
	4"		1/39		1/39	
	5"	50	1/22		1/22	
150	3"	40	1/19		1/19	
	4"		1/39		1/39	
	5"	50	1/22		1/22	
	6"		1/30		1/30	
200	5"	50	1/22		1/22	
	6"		1/30		1/30	
	8"		1/23		1/23	

n.a. = not applicable / non applicabile

Pressure Drop Table - ΔP shut-off bar Tabella Press. Diff.li - ΔP chiusura bar

Actuator Attuatore	Signal Segnale psi		DN 15 – 20 – 25 Microflow / Microflusso			
			Stroke - Corsa			
			19 mm			
			$\varnothing 1/8"$	$\varnothing 3/16"$	$\varnothing 1/4"$	$\varnothing 3/8"$
T200	3-15	RA-DA	178	78	46	21
	6-18	RA	445	194	115	54
	6-30		890	388	229	107
	6-30	DA *	1246	543	321	150
T250	3-15	RA-DA	384	167	99	46
	6-18	RA	960	418	247	116
	6-30		1536	669	396	185
	6-30	DA *	2687	1171	693	324

Actuator Attuatore	Signal Segnale psi		DN 15	DN 20	DN 25	DN 32	DN 40	DN 50				
			Stroke - Corsa									
			19 mm	19 mm	19 mm	19 mm	19 mm	28 mm				
T200	3-15	RA-DA	11	7	4	3	Not applicable Non applicabile					
	6-18	RA	23	13	9	5						
	6-30		42	24	16	10						
	6-30	DA *	57	33	21	13						
T250	3-15	RA-DA	24	14	9	6	2	Not applicable Non applicabile				
	6-18	RA	49	28	19	12	8					
	6-30		98	62	28	17	12					
	6-30	DA *	122	71	46	29	20					
T310	3-15	RA-DA	Not applicable Non applicabile		15	9	6	4				
	6-18	RA			30	19	13	8				
	6-30				45	28	19	10				
	6-30	DA *			76	47	32	20				
T400	3-15	RA-DA			Not applicable Non applicabile		Not applicable Non applicabile		14	9	6	
	6-18	RA							28	19	12	
	6-30								46	31	26	
	6-30	DA *							69	47	30	
T500	3-15	RA-DA	Not applicable Non applicabile				Not applicable Non applicabile		23	16	10	
	6-18	RA							46	31	20	
	6-30								77	52	47	
	6-30	DA *							116	79	50	

For the reduced passages from DN 15 to DN50 refer to the column of the reduced DN correspond

Per i passaggi ridotti dal DN 15 al DN 50 riferirsi alla colonna del DN ridotto corrispondente

Actuator Attuatore	Signal Segnale psi		DN 65			DN 80			DN 100		
			R40	R50	FB	R50	R65	FB	R65	R80	FB
			28 mm	28 mm	40 mm	28 mm	40 mm	40 mm	40 mm		
T400	3-15	RA-DA	13	13	13	13	13	10	13	10	8
	6-18	RA	31	33	33	33	33	26	33	26	21
	6-30		57	59	59	59	59	47	59	47	38
	6-30	DA*	88	93	92	93	92	73	92	73	59
T500	3-15	RA-DA	21	22	22	22	22	17	22	17	14
	6-18	RA	52	55	55	55	55	44	55	44	35
	6-30		94	99	99	99	99	79	99	79	63
	6-30	DA*	147	155	154	155	154	122	154	122	98

Actuator Attuatore	Signal Segnale psi		DN 125				DN 150				DN 200		
			R65	R80	R100	FB	R80	R100	R125	FB	R125	R150	FB
			40 mm			50 mm	40 mm			50 mm	50 mm		
T400	3-15	RA-DA	13	10	8	4	10	8	4	2	4	2	1,5
	6-18	RA	33	26	21	11	26	21	11	6	11	6	5
	6-30		59	47	38	20	47	38	20	10	20	10	9
	6-30	DA*	92	73	59	31	73	59	31	16	31	16	13
T500	3-15	RA-DA	22	17	14	7	17	14	7	4	7	4	3
	6-18	RA	55	44	35	18	44	35	18	10	18	10	8
	6-30		99	79	63	33	79	63	33	17	33	17	14
	6-30	DA*	154	122	98	51	122	98	51	27	51	27	22

The values give are referred to the force of actuator ad they can be used within the limit of the body rating

I valori espressi in tabella si riferiscono alla forza del servomotore, ma il rating del corpo ne limita l'applicazione

DA 3-15 psi supply air 18 psi / DA 3-15 psi spinta 18 psi

DA* 6-30 psi supply air 30/35 psi / DA* 6-30 psi spinta 30/35 psi

For bellows seal application see notes on page n°9 / Per l'applicazione del soffietto vedere note a pagina n° 9

VTop Series



Electric Actuator AMS Series

Tension open and close

Supply

24/AC-DC - 115/AC - 230/AC 50/60 Hz

Motor protection

Electronic motor current monitoring with safety cut-off

Ambient Temperature - 20 / + 55 °C

Input 4-20 mA Output 4-20 mA

Input 0 (2)-10 V Output 0 (2)-10 V

Protection IP 65 EN 60529 (IP67 on request)

Gear case material High Quality alluminuim die casting

Cover material Polycarbonate

Mounting position 180°

Attuatori Elettrici Serie AMS

Tensione Apre e Chiude

Alimentazione

24/AC-DC - 115/AC - 230/AC 50/60 Hz

Protezione motore

Controllo elettronico della corrente del motore con interruzione di sicurezza

Temperatura Ambiente - 20 / + 55 °C

Ingresso 4-20 mA Ritrasmissione 4-20 mA

Ingresso 0 (2)-10 V Ritrasmissione 0 (2)-10 V

Protezione IP 65 EN 60529 (IP67 a richiesta)

Materiale Cassa Ingranaggi pressofusione di alluminio di alta qualità

Materiale Coperchio Polycarbonato

Montaggio posizione 180 °

Pressure Drop Table Δp shut-off bar

Tabella Pressioni diff.li Δp bar

Actuator Attuatore	DN 15 - 20 - 25 Microflow / Microflusso			
	Stroke - Corsa			
	19 mm			
	Ø 1/8"	Ø 3/16"	Ø 1/4"	Ø 3/8"
PSL202 AMS11	2147	935	553	259
velocity / velocità sec.	42 .. 21 adjustable - regolabile			

Actuator Attuatore	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
	Stroke - Corsa					
	19 mm	19 mm	19 mm	19 mm	19 mm	28 mm
PSL 202 AMS11	91	53	35	21	15	9
Speed / velocità sec.	42 .. 21 adjustable - regolabile					
Kn	2,3					
PSL 204 AMS11	n.a.		69	43	29	19
Speed / velocità sec.	42 .. 21 adjustable - regolabile					
Kn	4,5					
PSL 210 AMS11	n.a.			107	73	47
Speed / velocità sec.	42 .. 21 adjustable - regolabile					
Kn	10					

For the reduced passages from DN 15 to DN50 refer to the column of the reduced DN correspond

Per i passaggi ridotti dal DN 15 al DN 50 riferirsi alla colonna del DN ridotto corrispondete

Actuator Attuatore	DN 65			DN 80			DN 100		
	R40	R50	FB	R50	R65	FB	R65	R80	FB
	28 mm	28 mm	40 mm	28 mm	28 mm	40 mm	40 mm		
PSL 202 AMS11	35	38	37	38	37	35	37	35	23
Speed / velocità sec.	88 .. 44 adjustable - regolabile								
Kn	2,3								
PSL 204 AMS11	70	74	73	74	73	58	73	58	47
Speed / velocità sec.	88 .. 44 adjustable - regolabile								
Kn	4,5								
PSL 210 AMS11	n.a. - not applicable / non applicabile						183	145	117
Speed / velocità sec.							200 .. 114		
Kn							10		

Actuator Attuatore	DN 125				DN 150				DN 200		
	R65	R80	R100	FB	R80	R100	R125	FB	R125	R150	FB
	40 mm			50 mm	40 mm		50 mm		50 mm		
PSL 214 AMS12	257	204	164	85	204	164	85	44	85	44	37
Speed / velocità sec.	77 .. 38 adjustable - regolabile										
Kn	14										

Electric Actuator PSF Series

PSF-EX Spring Return Fail Safe Version

ATEX and **PSF** Standard (no ATEX)

PSFM-EX Opens and Closes ATEX Version
with manual handwheel

Brushless DC motor (BLDC)

Contactless, non-wearing travel detection

Supply

24/AC-DC - 100-240/VAC 50/60 Hz

Enclosure according to EN 60529 IP65
(Optional IP67)

Ambient Temperature

PSF/M-EX - $10^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}(T_6) / + 60^{\circ}\text{C} (T_4)$

PSF - $10 / + 60^{\circ}\text{C}$

Positioner Integrated

Gear case material High Quality aluminium
die casting

Cover material Polycarbonate

Mounting position 180°

Attuatori Elettrici Serie PSF

PSF-EX Versione con ritorno a Molla

ATEX e **PSF** Standard (no ATEX)

PSFM-EX Versione con Tensione Apre e Chiude
con volantino manuale

Motore DC Brushless (BLDC)

Rilevamento corsa senza contatto e usura

Alimentazione

24/AC-DC - 100-240/VAC 50/60 Hz

Protezione IP 65 EN 60529
(IP67 a richiesta)

Temperatura Ambiente

PSF/M-EX - $10^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}(T_6) / + 60^{\circ}\text{C} (T_4)$

PSF - $10 / + 60^{\circ}\text{C}$

Posizionatore Integrato

Materiale Cassa Ingranaggi pressofusione di
alluminio di alta qualità

Materiale Coperchio Polycarbonato

Montaggio posizione 180°

Pressure Drop Table Δp shut-off bar

Tabella Pressioni diff.li Δp bar

Actuator Attuatore	DN 15 - 20 - 25 Microflow / Microflusso			
	Stroke - Corsa			
	19 mm			
	$\varnothing 1/8''$	$\varnothing 3/16''$	$\varnothing 1/4''$	$\varnothing 3/8''$
PSF 402 (2 Kn)	2147	935	553	259
velocity / velocità sec.	0,9 (PSF402.1SE/SR-EX) + (PSF402.1SE/SR) - 0,5 / 0,75 / 1,0 (PSF-M402-EX)			

Actuator Attuatore	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
	Stroke - Corsa					
	19 mm	19 mm	19 mm	19 mm	19 mm	28 mm
PSF 402 (2 Kn)	91	53	35	21	15	9
Speed / velocità mm/sec.	0,9 (PSF402.1SE/SR-EX) + (PSF402.1SE/SR) - 0,5 / 0,75 / 1,0 (PSF-M402-EX)					
PSF-M405 (5 Kn)	n.a.		86	54	37	23
Speed / velocità mm/sec.	0,5 / 0,75 / 1,0					

For the reduced passages from DN 15 to DN50 refer to the column of the reduced DN correspond

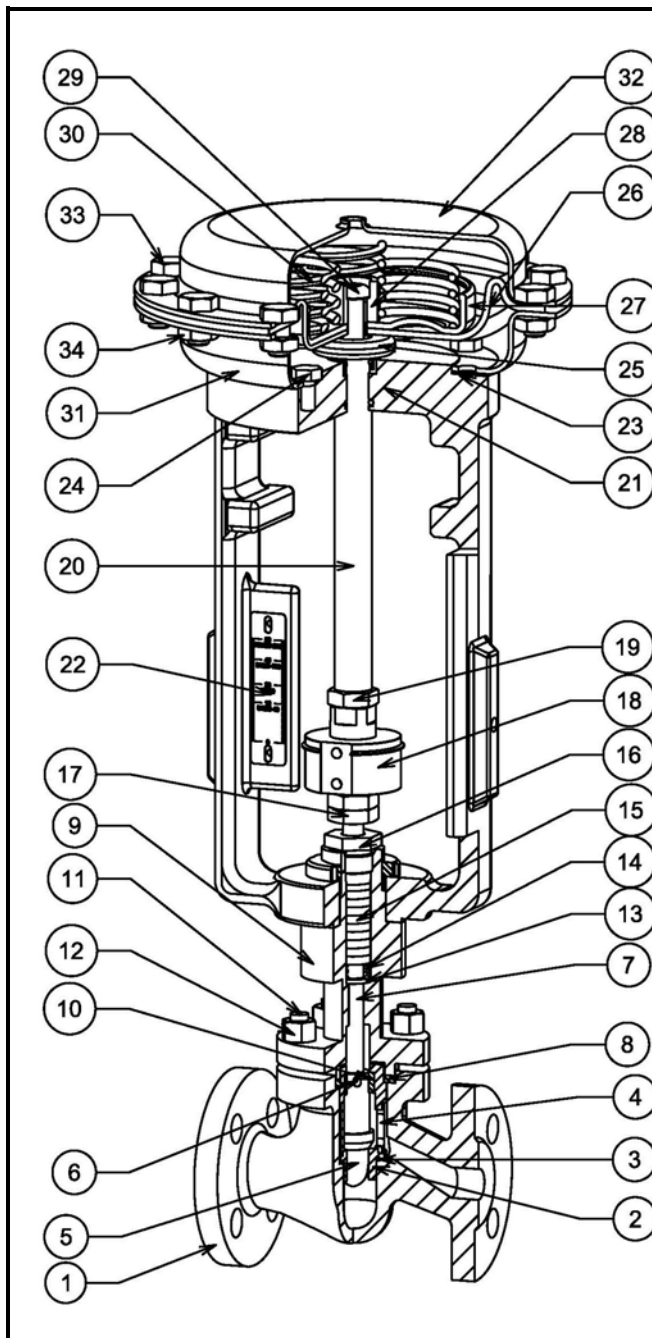
Per i passaggi ridotti dal DN 15 al DN 50 riferirsi alla colonna del DN ridotto corrispondete

Actuator Attuatore	DN 65			DN 80			DN 100		
	R40	R50	FB	R50	R65	FB	R65	R80	FB
	28 mm	28 mm	40 mm	28 mm	40 mm	40 mm	40 mm		
PSF 402 (2 Kn)	35	38	37	38	37	35	37	35	23
Speed / velocità mm/sec.	0,9 (PSF402.1SE/SR-EX) + (PSF402.1SE/SR) - 0,5 / 0,75 / 1,0 (PSF-M402-EX)								
PSF-M405 (5 Kn)	88	92	90	88	92	73	88	92	59
Speed / velocità mm/sec.	0,5 / 0,75 / 1,0								

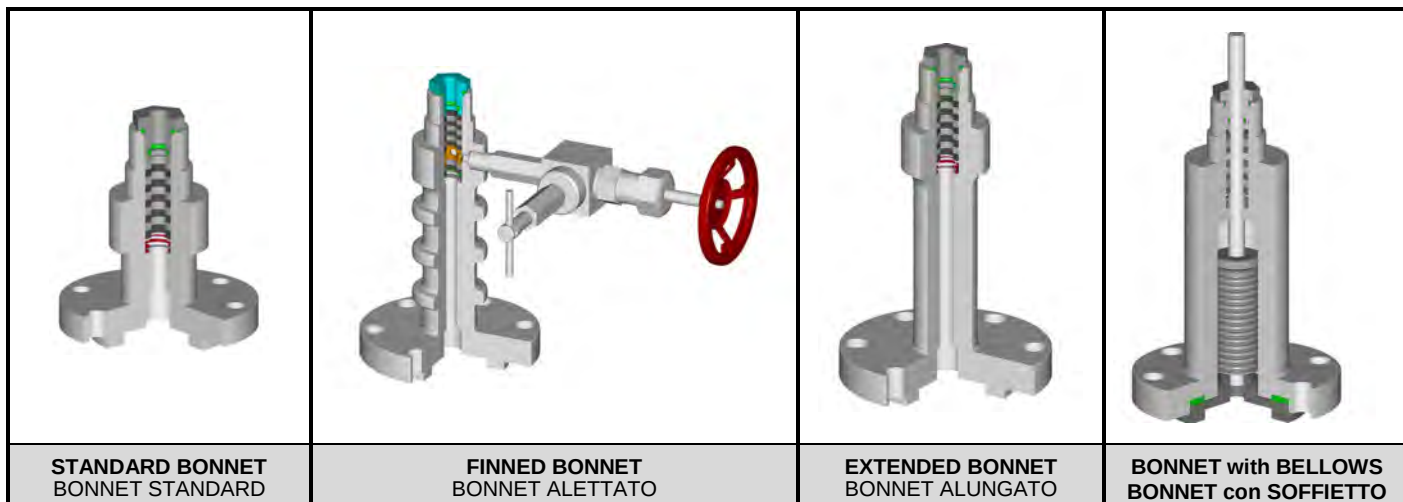
Actuator Attuatore	DN 125				DN 150				DN 200		
	R65	R80	R100	FB	R80	R100	R125	FB	R125	R150	FB
	40 mm			50 mm	40 mm		50 mm		50 mm		
PSF-M405 (5 Kn)	90	273	59	30	73	59	30	16	30	16	13
Speed / velocità mm/sec.	0,5 / 0,75 / 1,0										

Components List DN15/50 Type 20VT RA-DA Pneumatic

Elenco Componenti DN 15/50 Tipo 20VT RA-DA Pneumatica

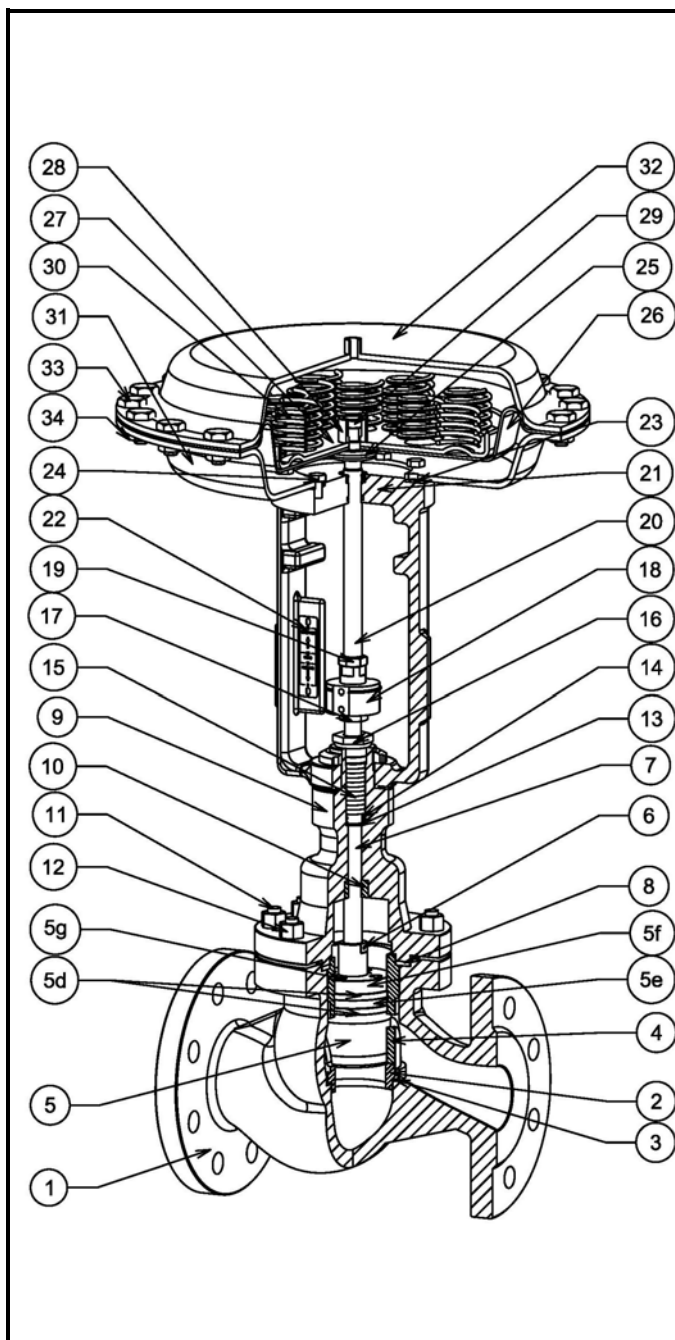


1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
5	Plug or Piston	Otturatore e/o Pistone
5a	Stem Support	Supporto stelo
5b	Soft Seal Plate	Fondello Tenuta Soffice
5c	Soft seal ring (countered)	Anello tenuta soffice
5d	Plug shape for soft seal (countered)	Profilo Otturatore tenuta soffice
5e	Soft Seal Plug Washer	Rondella otturatore tenuta soffice
5f	Soft Seal Plug Locking Nuts	Dadi di serraggio otturatore tenuta soffice
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffiello
9e	Bonnet for bellows seal	Prolunga soffiello
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
14	Packing spring	Molla Premistoppa
15	Packing	Premistoppa
15a	Snore-piece packing	Lanterna premistoppa p.a.
16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
18	Union Block	Blocchetto Unione
19	Locking nut for upper stem	Dado bloccaggio per asta superiore
20	Upper stem	Asta Superiore
21	Yoke with upper air tight and "o" ring	Castello con corteco e "o" ring
22	Stroke label and rivets	Targhetta e rivetti
23	Yoke gasket	Guarnizione Castello
24	Screws thightness for cases/yoke	Viti serraggio testate/castello
25	Diaphragm spacer	Distanziale membrana
26	Diaphragm	Membrana
27	Diaphragm plate	Piatto Membrana
28	Diaphragm bush	Boccola membrana
29	Diaphragm lock screw	Vite serraggio membrana
30	Springs	Molle Attuatore
31	Lower case	Testata Inferiore
32	Upper case	Testata Superiore
33	Screws thightness for case	Viti serraggio Testata
34	Nuts for case	Dadi Testata

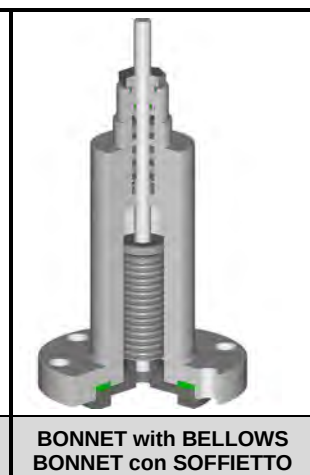
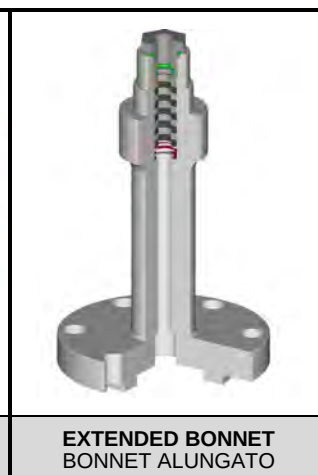
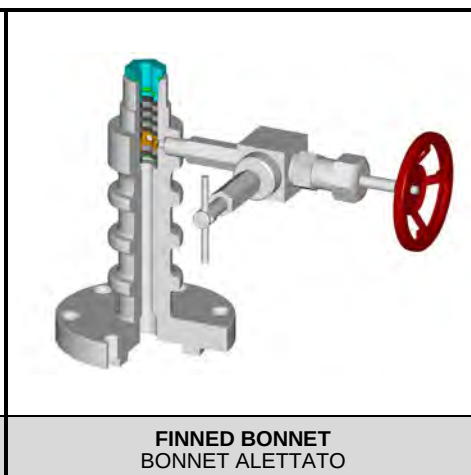
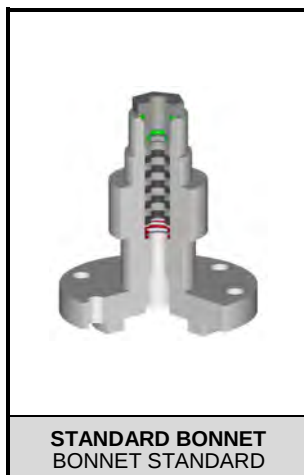


Components List DN65/100 Type 20VT RA-DA Pneumatic

Elenco Componenti DN 65/100 Tipo 20VT RA-DA Pneumatica

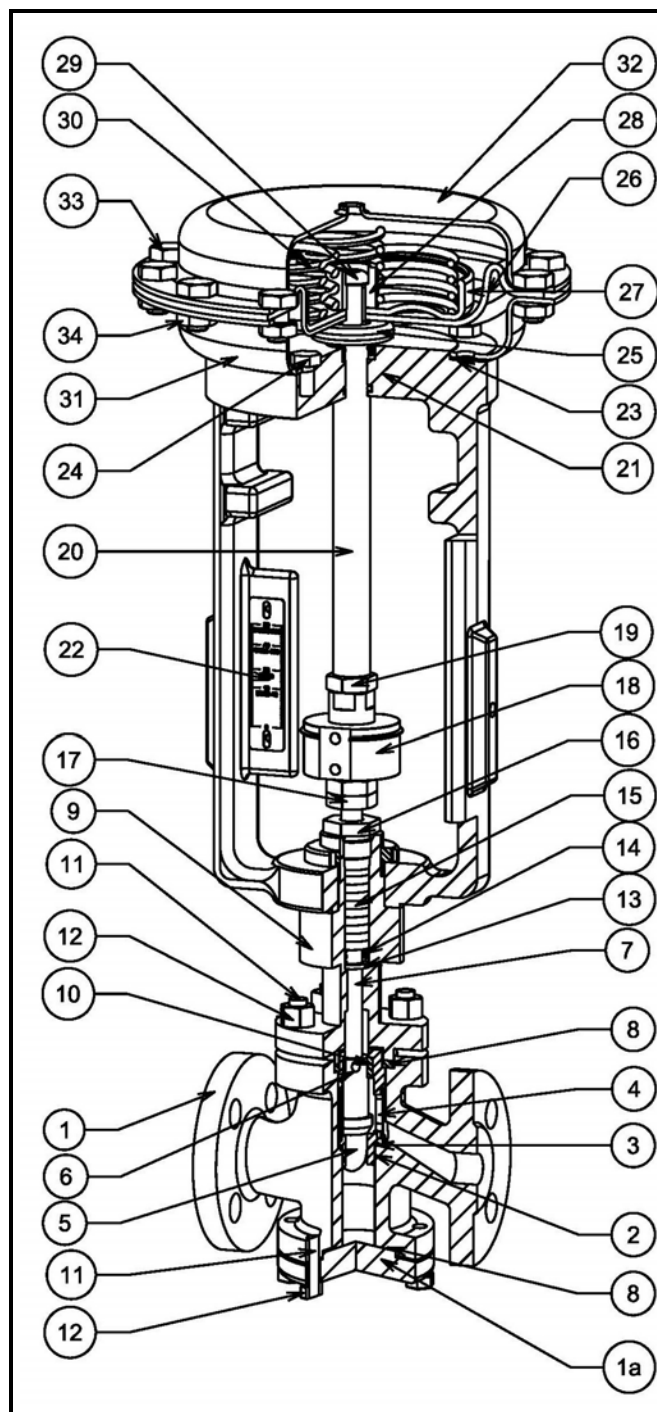


1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
4a	2° Cage	Seconda Gabbia
5	Plug or Piston	Otturatore e/o Pistone
5d	N°2 seal on piston	N° 2 Tenute su pistone
5e	Intermediate piston plate	Fondello Pistone Intermedio
5f	Upper piston plate	Fondello Pistone superiore
5g	Screws thightness upper piston	Viti serraggio pistone
5i	soft seal on piston	Anello tenuta soffice su pistone
5j	plate for soft seal on piston	Piattello otturatore tenuta soffice
5k	Screws thightness soft seal piston	Viti Serraggio tenuta soffice su pistone
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffietto
9e	Bonnet for bellows seal	Prolunga soffietto
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
14	Packing spring	Molla Premistoppa
15	Packing	Premistoppa
15a	Snore-piece packing	Lanterna premistoppa p.a.
16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
18	Union Block	Blocchetto Unione
19	Locking nut for upper stem	Dado bloccaggio per asta superiore
20	Upper stem	Asta Superiore
21	Yoke with upper air tight and "o" ring	Castello con corteco e "o" ring
22	Stroke label and rivets	Targhetta e rivetti
23	Yoke gasket	Guarnizione Castello
24	Screws thightness for cases/yoke	Viti serraggio testate/castello
25	Diaphragm spacer	Distanziale membrana
26	Diaphragm	Membrana
27	Diaphragm plate	Piatto Membrana
28	Diaphragm bush	Boccola membrana
29	Diaphragm lock screw	Vite serraggio membrana
30	Springs	Molle Attuatore
31	Lower case	Testata Inferiore
32	Upper case	Testata Superiore
33	Screws thight. for case	Viti serraggio Testata
34	Nuts for case	Dadi Testata

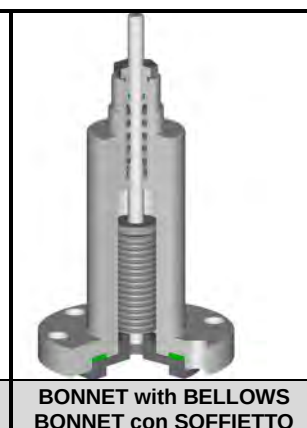
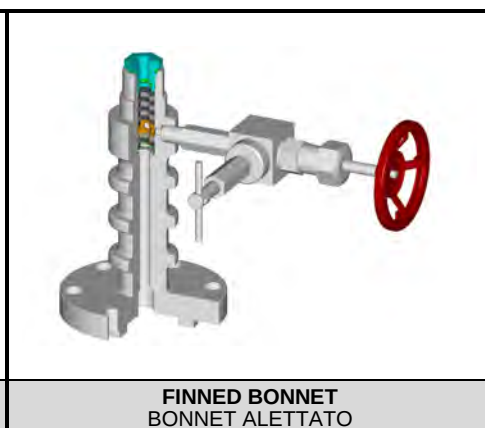
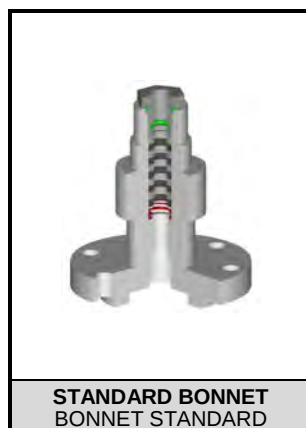


Components List DN15/50 Type 50VT RA-DA Pneumatic

Elenco Componenti DN 15/50 Tipo 50VT RA-DA Pneumatica

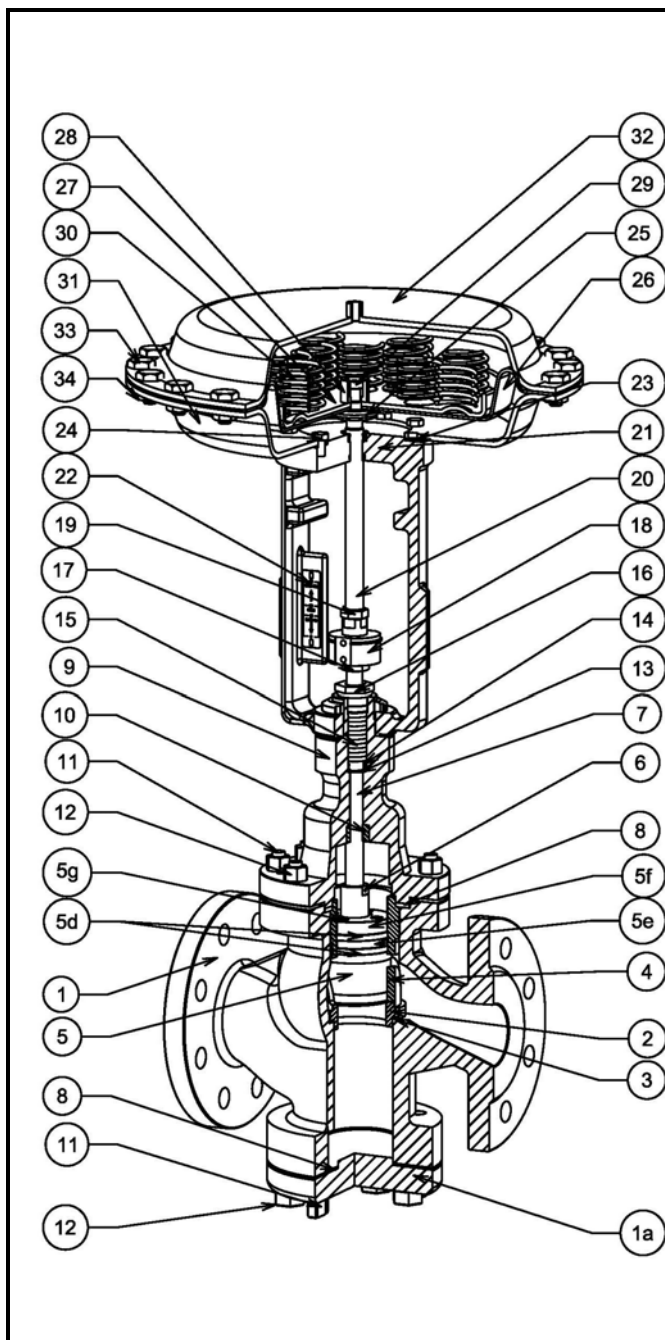


1a	Bottom Flange	Flangia Inferiore
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
5	Plug or Piston	Otturatore e/o Pistone
5a	Stem Support	Supporto stelo
5b	Soft Seal Plate	Fondello Tenuta Soffice
5c	Soft seal ring (countered)	Anello tenuta soffice
5d	Plug shape for soft seal (countered)	Profilo Otturatore tenuta soffice
5e	Soft Seal Plug Washer	Rondella otturatore tenuta soffice
5f	Soft Seal Plug Locking Nuts	Dadi di serraggio otturatore tenuta soffice
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffiello
9e	Bonnet for bellows seal	Prolunga soffiello
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
14	Packing spring	Molla Premistoppa
15	Packing	Premistoppa
15a	Snore-piece packing	Lanterna premistoppa p.a.
16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
18	Union Block	Blocchetto Unione
19	Locking nut for upper stem	Dado bloccaggio per asta superiore
20	Upper stem	Asta Superiore
21	Yoke with upper air tight and "o" ring	Castello con corteco e "o" ring
22	Stroke label and rivets	Targhetta e rivetti
23	Yoke gasket	Guarnizione Castello
24	Screws thightness for cases/yoke	Viti serraggio testate/castello
25	Diaphragm spacer	Distanziale membrana
26	Diaphragm	Membrana
27	Diaphragm plate	Piatto Membrana
28	Diaphragm bush	Boccola membrana
29	Diaphragm lock screw	Vite serraggio membrana
30	Springs	Molle Attuatore
31	Lower case	Testata Inferiore
32	Upper case	Testata Superiore
33	Screws thightness for case	Viti serraggio Testata
34	Nuts for case	Dadi Testata

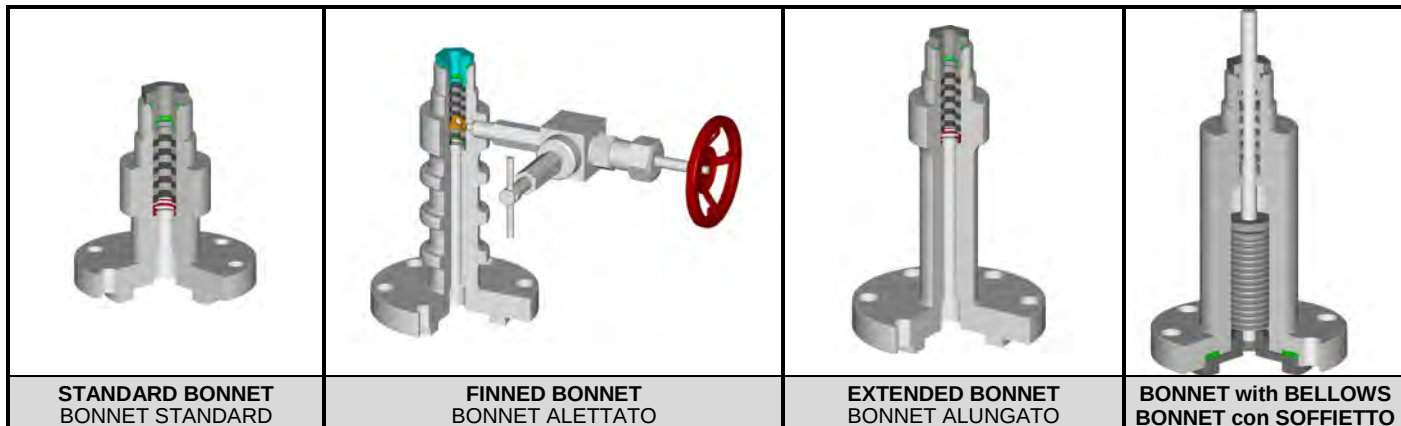


Components List DN65/100 Type 50VT RA-DA Pneumatic

Elenco Componenti DN 65/100 Tipo 50VT RA-DA Pneumatica

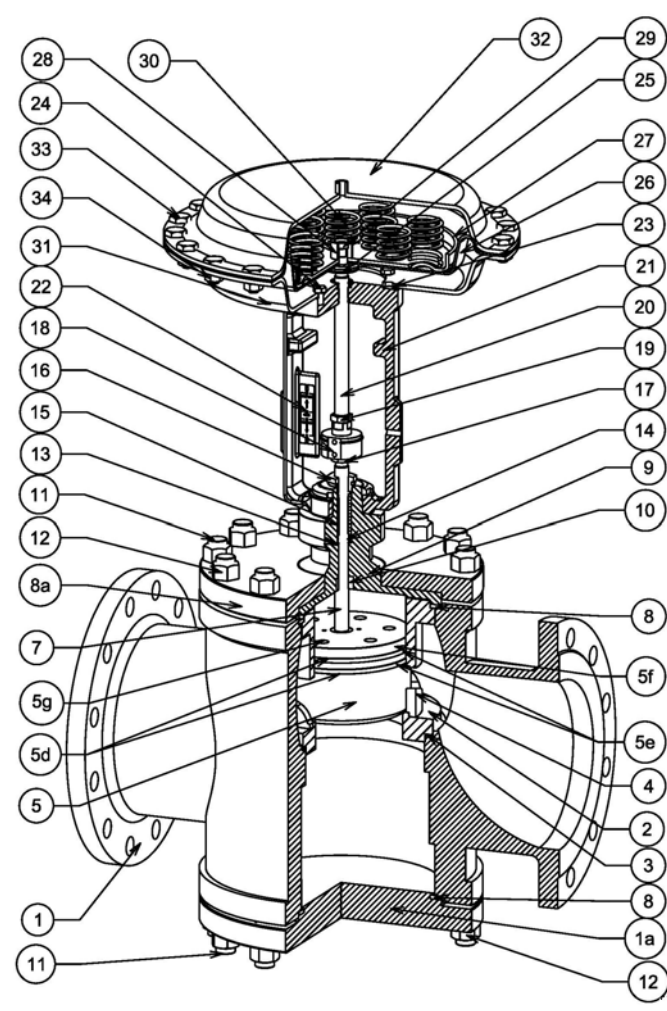


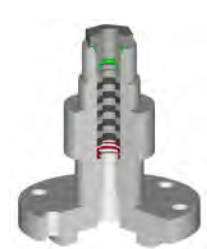
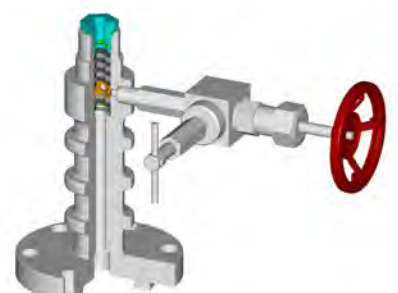
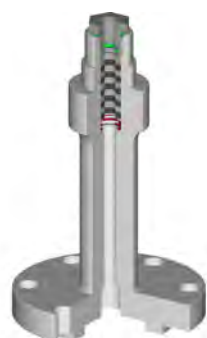
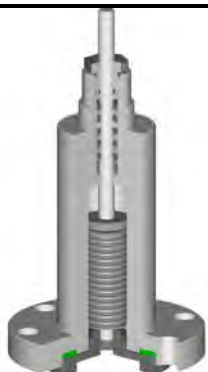
1a	Bottom Flange	Flangia Inferiore
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
4a	2° Cage	Seconda Gabbia
5	Plug or Piston	Otturatore e/o Pistone
5d	N°2 seal on piston	N° 2 Tenute su pistone
5e	Intermediate piston plate	Fondello Pistone Intermedio
5f	Upper piston plate	Fondello Pistone superiore
5g	Screws thightness upper piston	Viti serraggio pistone
5i	soft seal on piston	Anello tenuta soffice su pistone
5j	plate for soft seal on piston	Piattello otturatore tenuta soffice
5k	Screws thightness soft seal piston	Viti Serraggio tenuta soffice su pistone
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffiETTO
9e	Bonnet for bellows seal	Prolunga soffiETTO
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
14	Packing spring	Molla Premistoppa
15	Packing	Premistoppa
15a	Snore-piece packing	Lanterna premistoppa p.a.
16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
18	Union Block	Blocchetto Unione
19	Locking nut for upper stem	Dado bloccaggio per asta superiore
20	Upper stem	Asta Superiore
21	Yoke with upper air tight and "o" ring	Castello con corteco e "o" ring
22	Stroke label and rivets	Targhetta e rivetti
23	Yoke gasket	Guarnizione Castello
24	Screws thightness for cases/yoke	Viti serraggio testate/castello
25	Diaphragm spacer	Distanziale membrana
26	Diaphragm	Membrana
27	Diaphragm plate	Piatto Membrana
28	Diaphragm bush	Boccola membrana
29	Diaphragm lock screw	Vite serraggio membrana
30	Springs	Molle Attuatore
31	Lower case	Testata Inferiore
32	Upper case	Testata Superiore
33	Screws thightness for case	Viti serraggio Testata
34	Nuts for case	Dadi Testata

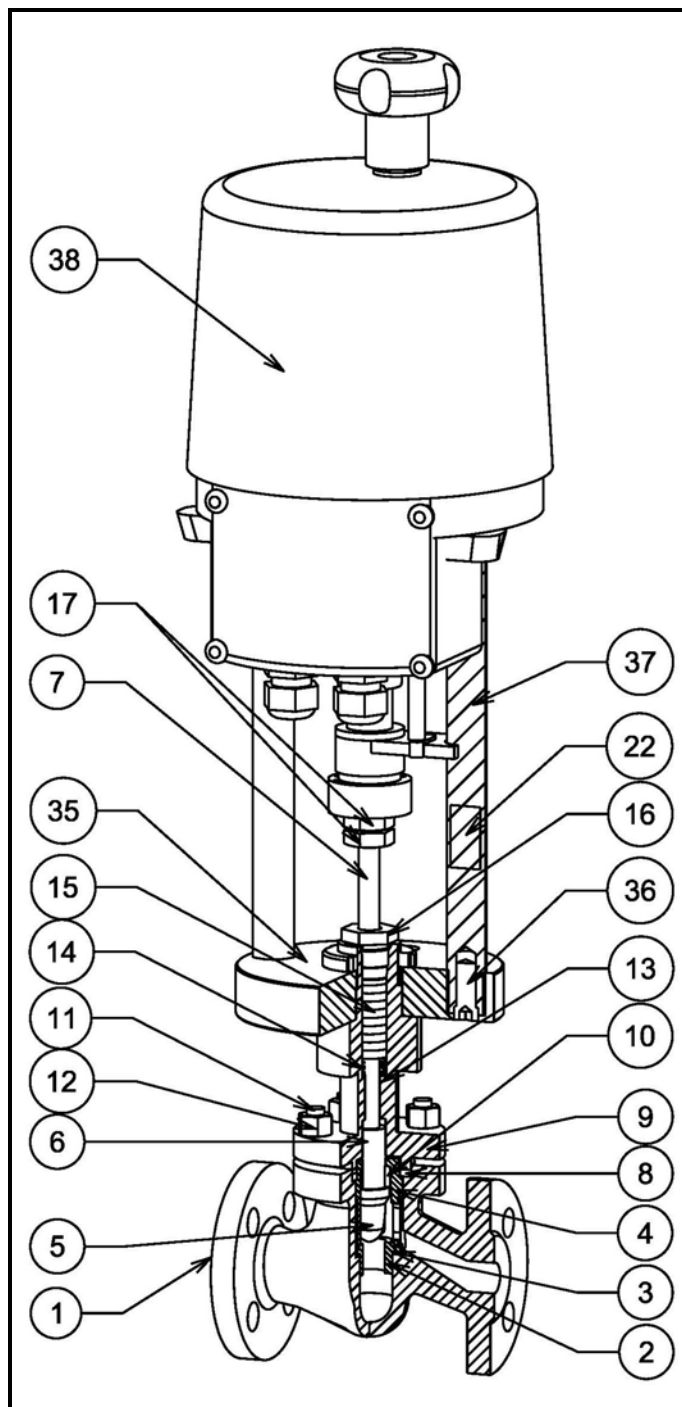


Components List DN125/200 Type 50VT RA-DA Pneumatic

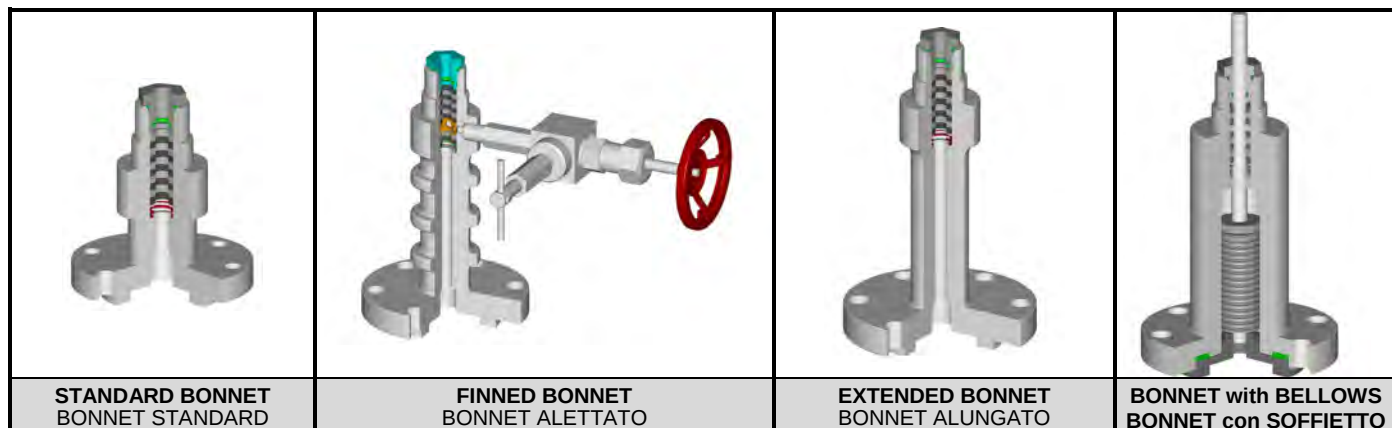
Elenco Componenti DN 125/200 Tipo 50VT RA-DA Pneumatica

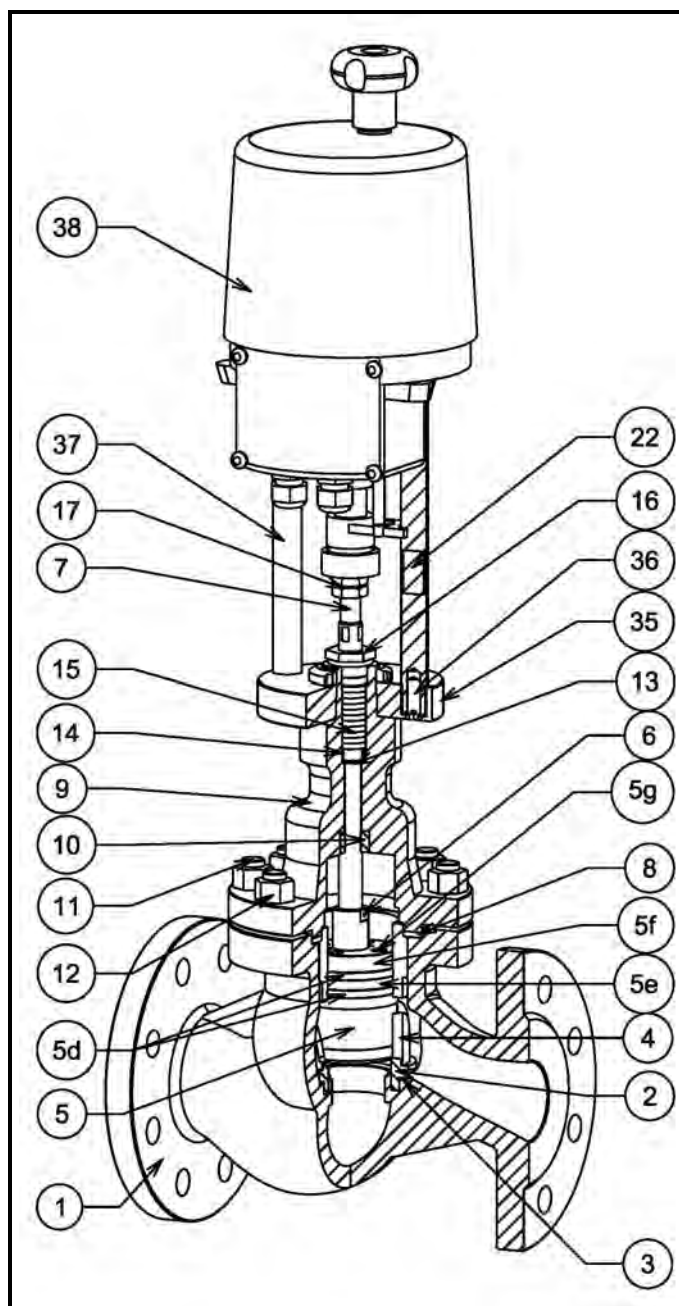
	1a	Bottom Flange	Flangia Inferiore
	1	Body	Corpo
	2	Seat	Sede
	3	Seat Gasket	Guarnizione Sede
	4	Cage	Gabbia principale
	4a	2° Cage	Seconda Gabbia
	4b	3° Cage	Terza Gabbia
	5	Plug or Piston	Otturatore e/o Pistone
	5d	N°2 seal on piston	N° 2 Tenute su pistone
	5e	Intermediate piston plate	Fondello Pistone Intermedio
	5f	Upper piston plate	Fondello Pistone superiore
	5g	Screws thightness upper piston	Viti serraggio pistone
	5i	soft seal on piston	Anello tenuta soffice su pistone
	5j	plate for soft seal on piston	Piattello otturatore tenuta soffice
	5k	Screws thightness soft seal piston	Viti Serraggio tenuta soffice su pistone
	6	Elastic Pin	Spina Elastica
	7	Stem	Stelo
	8	Body gasket /s	Guarnizione/I Corpo
	8a	Bonnet Flange	Flangia di chiusura
	9	Bonnet	Bonnet
	9a	Finned Bonnet	Prolunga Alettata
	9c	Lubricator	Ingrassatore
	9d	Bellows seal flange	Flangia Attacco e soffietto
	9e	Bonnet for bellows seal	Prolunga soffietto
	10	Guide Bushing	Bussola
	11	Body Stud Bolts	Prigionieri corpo
	12	Body Nuts	Dadi serraggio corpo
	13	Packing Washer	Rondella Premistoppa
	14	Packing spring	Molla Premistoppa
	15	Packing	Premistoppa
	15a	Snore-piece packing	Lanterna premistoppa p.a.
	16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
	17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
	18	Union Block	Bloccetto Unione
	19	Locking nut for upper stem	Dado bloccaggio per asta superiore
	20	Upper stem	Asta Superiore
	21	Yoke with upper air tight and "o" ring	Castello con corteco e "o" ring
	22	Stroke label and rivets	Targhetta e rivetti
	23	Yoke gasket	Guarnizione Castello
	24	Screws thightness for cases/yoke	Viti serraggio testate/castello
	25	Diaphragm spacer	Distanziale membrana
	26	Diaphragm	Membrana
	27	Diaphragm plate	Piatto Membrana
	28	Diaphragm bush	Boccola membrana
	29	Diaphragm lock screw	Vite serraggio membrana
	30	Springs	Molle Attuatore
	31	Lower case	Testata Inferiore
	32	Upper case	Testata Superiore
	33	Screws thightness for case	Viti serraggio Testata
	34	Nuts for case	Dadi Testata

			
STANDARD BONNET BONNET STANDARD	FINNED BONNET BONNET ALETTATO	EXTENDED BONNET BONNET ALUNGATO	BONNET with BELLOWS BONNET con SOFFIETTO

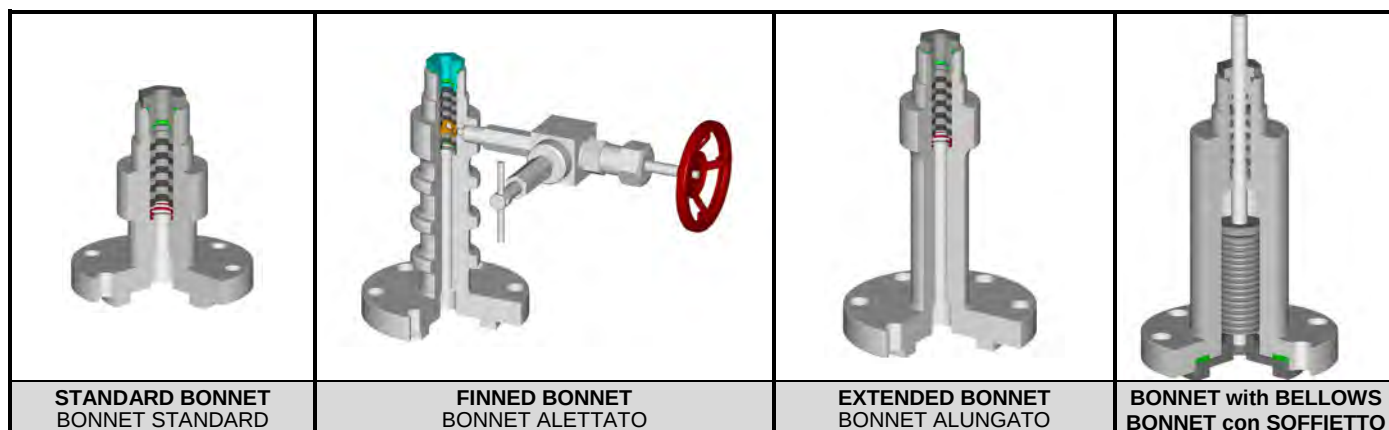


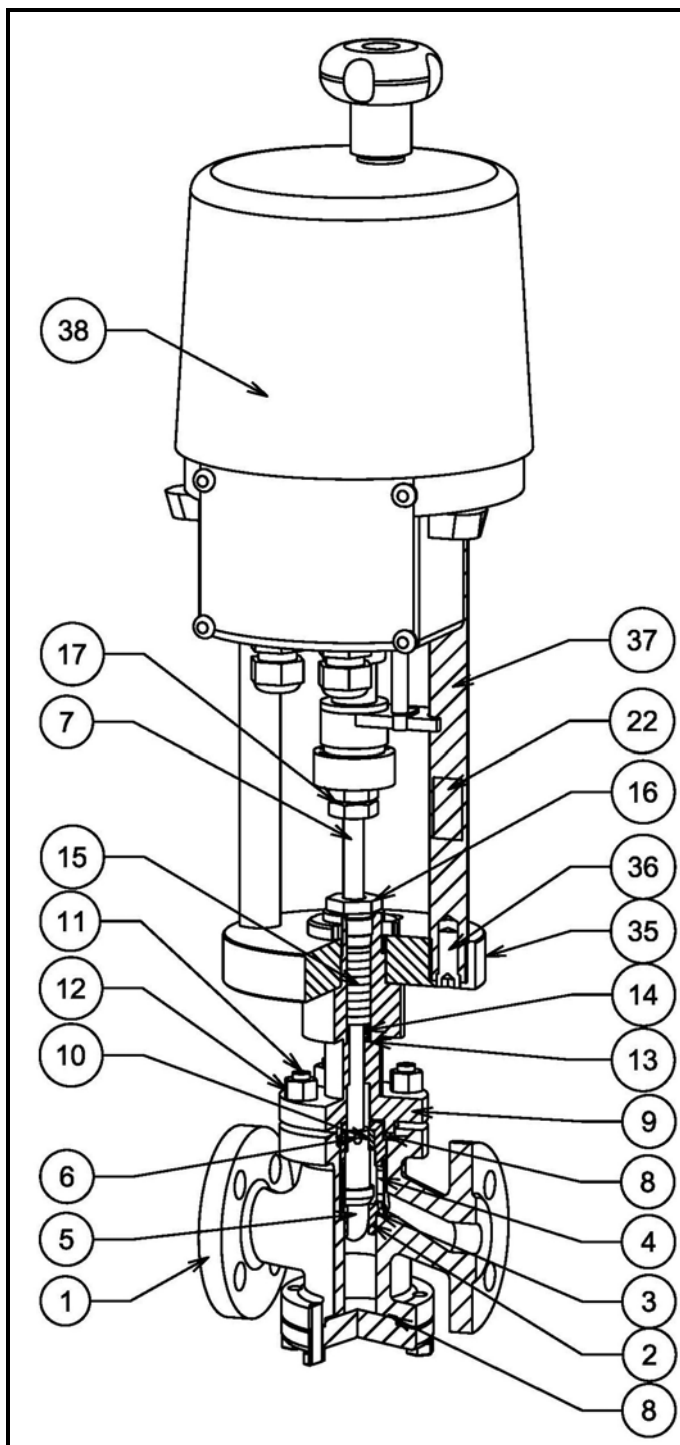
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
5	Plug or Piston	Otturatore e/o Pistone
5a	Stem Support	Supporto stelo
5b	Soft Seal Plate	Fondello Tenuta Soffice
5c	Soft seal ring (countered)	Anello tenuta soffice
5d	Plug shape for soft seal (countered)	Profilo Otturatore tenuta soffice
5e	Soft Seal Plug Washer	Rondella otturatore tenuta soffice
5f	Soft Seal Plug Locking Nuts	Dadi di serraggio otturatore tenuta soffice
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffietto
9e	Bonnet for bellows seal	Prolunga soffietto
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
14	Packing spring	Molla Premistoppa
15	Packing	Premistoppa
15a	Snore-piece packing	Lanterna premistoppa p.a.
16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
22	Stroke label and rivets	Targhetta e rivetti
35	Flange Electric Actuator	Flangia Motore
36	Screw Columns	Viti serraggio colonne
37	Columns	Colonne
38	Electric Actuator	Attuatore Elettrico



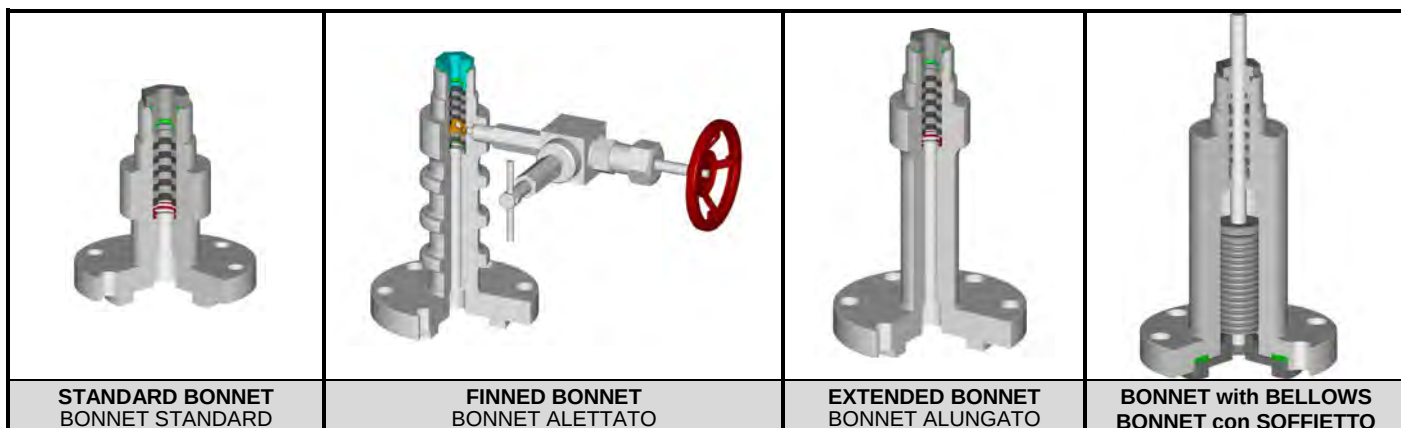


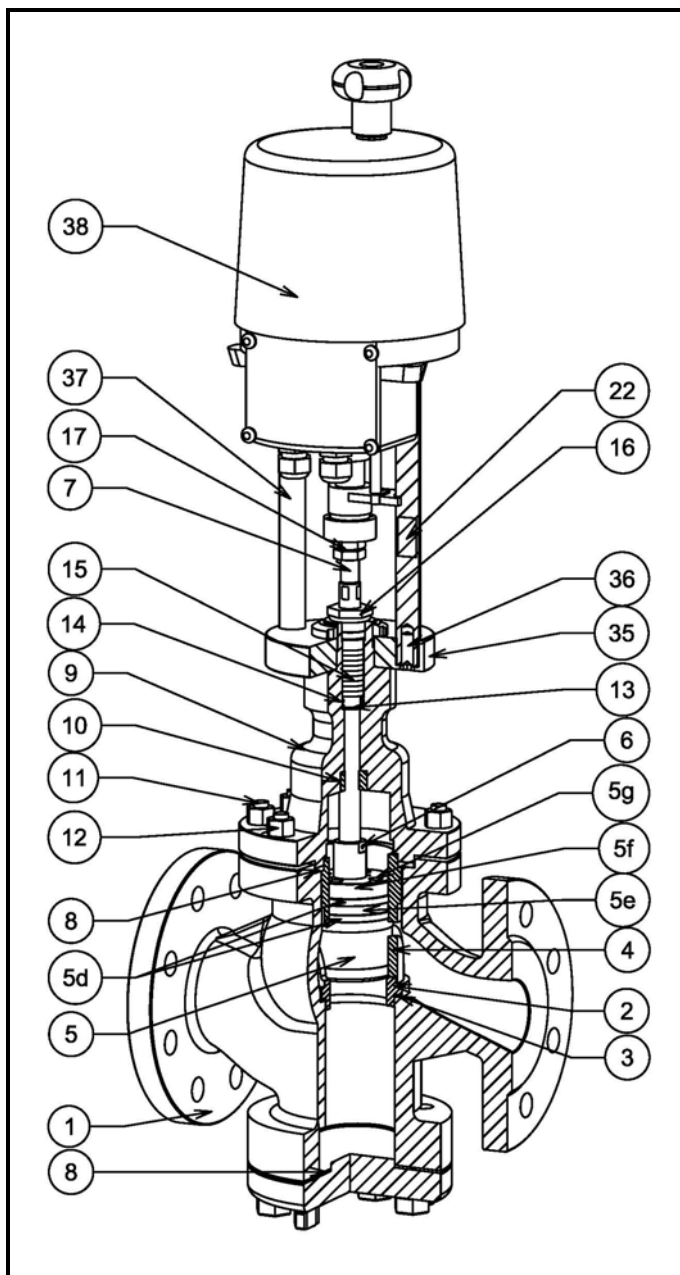
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
4a	2° Cage	Seconda Gabbia
5	Plug or Piston	Otturatore e/o Pistone
5d	N°2 seal on piston	N° 2 Tenute su pistone
5e	Intermediate piston plate	Fondello Pistone Intermedio
5f	Upper piston plate	Fondello Pistone superiore
5g	Screws thightness upper piston	Viti serraggio pistone
5i	soft seal on piston	Anello tenuta soffice su pistone
5j	plate for soft seal on piston	Piattello otturatore tenuta soffice
5k	Screws thightness soft seal piston	Viti Serraggio tenuta soffice su pistone
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffietto
9e	Bonnet for bellows seal	Prolunga soffietto
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
14	Packing spring	Molla Premistoppa
15	Packing	Premistoppa
15a	Snore-piece packing	Lanterna premistoppa p.a.
16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
22	Stroke label and rivets	Targhetta e rivetti
35	Flange Electric Actuator	Flangia Motore
36	Screw Columns	Viti serraggio colonne
37	Columns	Colonne
38	Electric Actuator	Attuatore Elettrico



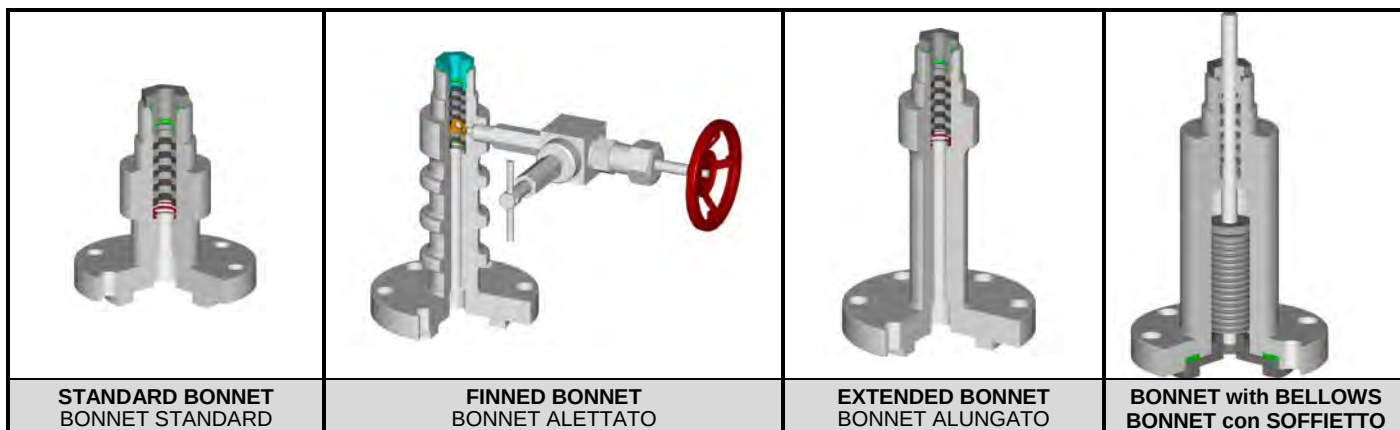


1a	Bottom Flange	Flangia Inferiore
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
5	Plug or Piston	Otturatore e/o Pistone
5a	Stem Support	Supporto stelo
5b	Soft Seal Plate	Fondello Tenuta Soffice
5c	Soft seal ring (countered)	Anello tenuta soffice
5d	Plug shape for soft seal (countered)	Profilo Otturatore tenuta soffice
5e	Soft Seal Plug Washer	Rondella otturatore tenuta soffice
5f	Soft Seal Plug Locking Nuts	Dadi di serraggio otturatore tenuta soffice
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffietto
9e	Bonnet for bellows seal	Prolunga soffietto
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
14	Packing spring	Molla Premistoppa
15	Packing	Premistoppa
15a	Snore-piece packing	Lanterna premistoppa p.a.
16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
22	Stroke label and rivets	Targhetta e rivetti
35	Flange Electric Actuator	Flangia Motore
36	Screw Columns	Viti serraggio colonne
37	Columns	Colonne
38	Electric Actuator	Attuatore Elettrico





1a	Bottom Flange	Flangia Inferiore
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
4a	2° Cage	Seconda Gabbia
5	Plug or Piston	Otturatore e/o Pistone
5d	N°2 seal on piston	N° 2 Tenute su pistone
5e	Intermediate piston plate	Fondello Pistone Intermedio
5f	Upper piston plate	Fondello Pistone superiore
5g	Screws thightness upper piston	Viti serraggio pistone
5i	Soft seal on piston	Anello tenuta soffice su pistone
5j	Plate for soft seal on piston	Piattello otturatore tenuta soffice
5k	Screws thightness soft seal piston	Viti Serraggio tenuta soffice su pistone
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffiello
9e	Bonnet for bellows seal	Prolunga soffiello
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
14	Packing spring	Molla Premistoppa
15	Packing	Premistoppa
15a	Snore-piece packing	Lanterna premistoppa p.a.
16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
22	Stroke label and rivets	Targhetta e rivetti
35	Flange Electric Actuator	Flangia Motore
36	Screw Columns	Viti serraggio colonne
37	Columns	Colonne
38	Electric Actuator	Attuatore Elettrico

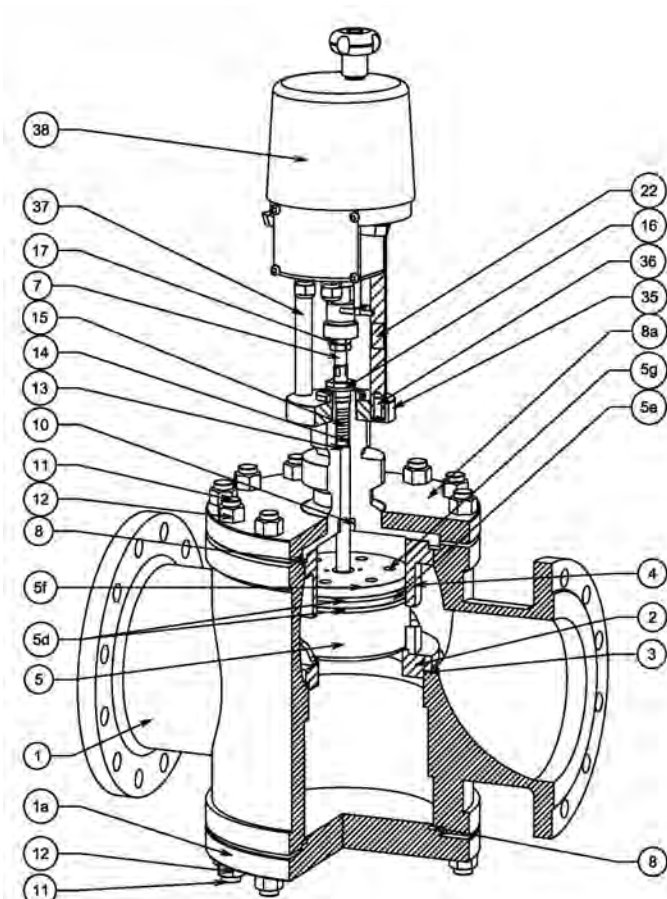


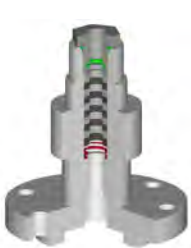
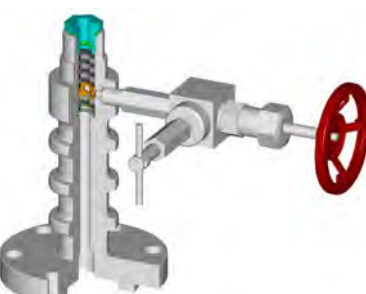
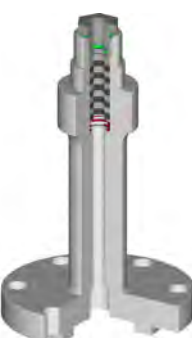
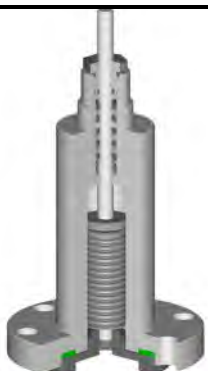
STANDARD BONNET
BONNET STANDARD

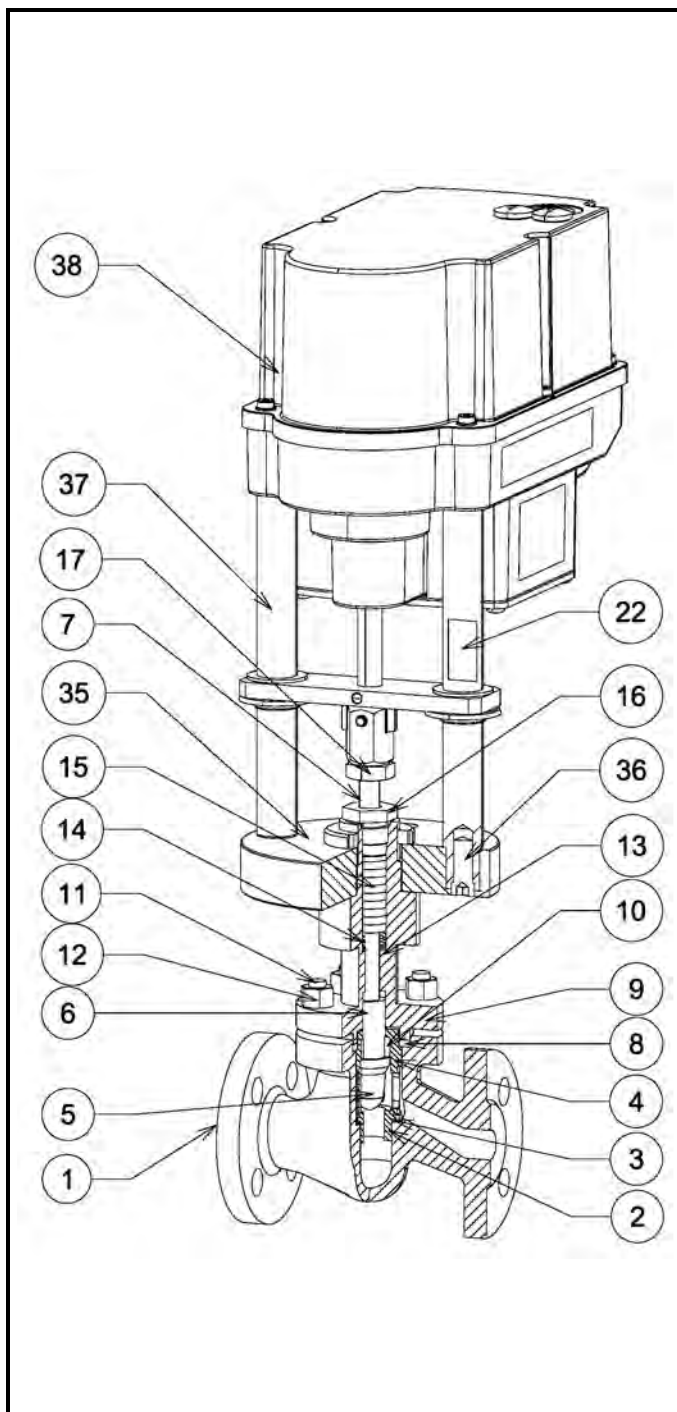
FINNED BONNET
BONNET ALETTATO

EXTENDED BONNET
BONNET ALLUNGATO

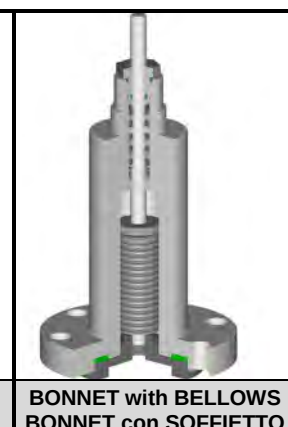
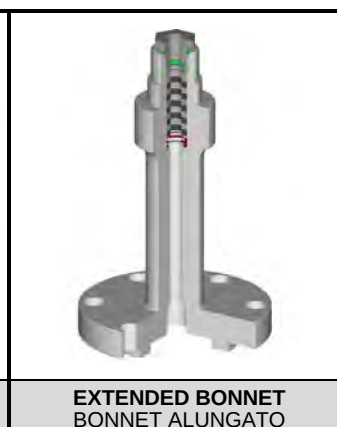
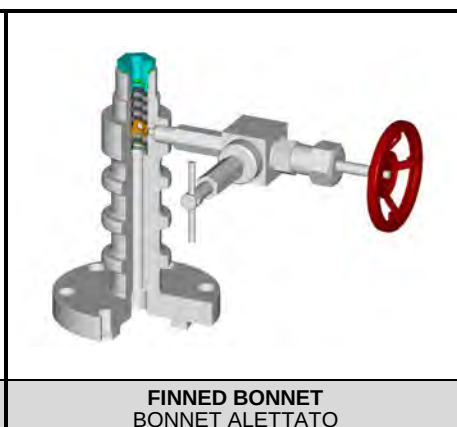
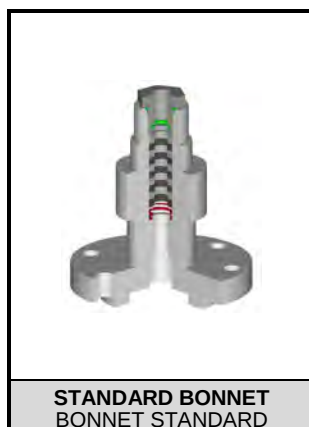
BONNET with BELLOWS
BONNET con SOFFIETTO

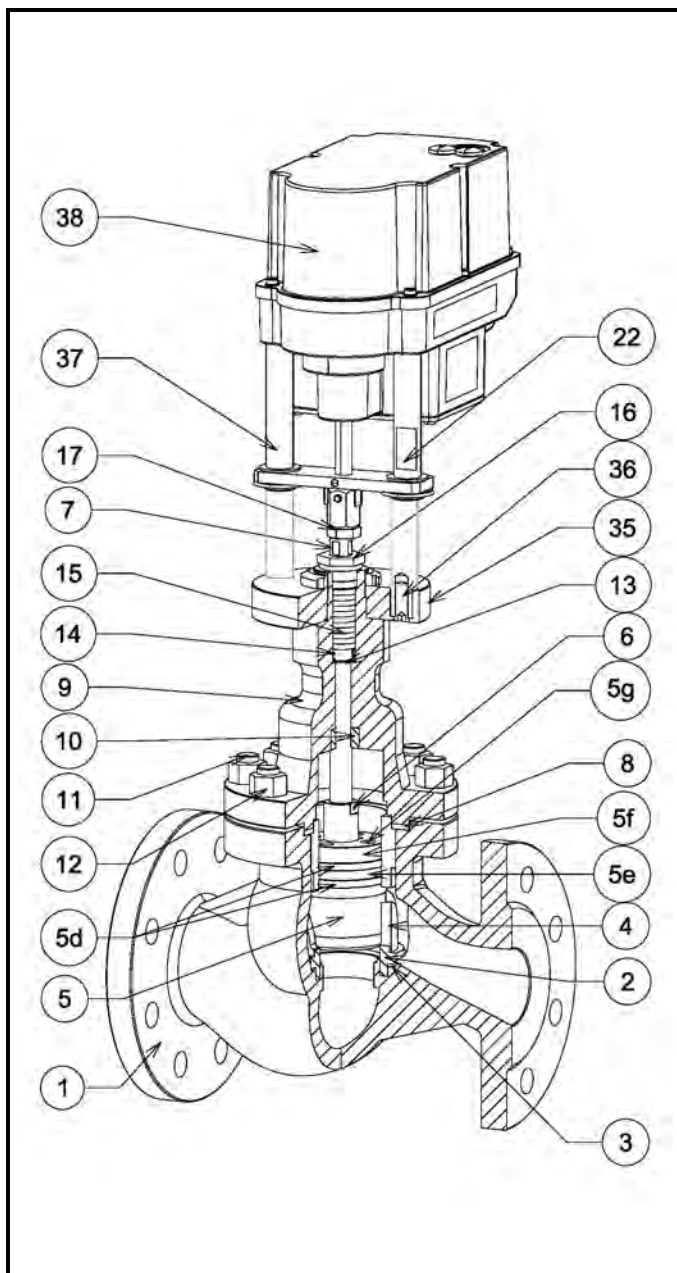
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	1	Body	Corpo
	2	Seat	Sede
	3	Seat Gasket	Guarnizione Sede
	4	Cage	Gabbia principale
	4a	2° Cage	Seconda Gabbia
	4b	3° Cage	Terza Gabbia
	5	Plug or Piston	Otturatore e/o Pistone
	5d	N°2 seal on piston	N° 2 Tenute su pistone
	5e	Intermediate piston plate	Fondello Pistone Intermedio
	5f	Upper piston plate	Fondello Pistone superiore
	5g	Screws thightness upper piston	Viti serraggio pistone
	5i	Soft seal on piston	Anello tenuta soffice su pistone
	5j	Plate for soft seal on piston	Piattello otturatore tenuta soffice
	5k	Screws thightness soft seal piston	Viti Serraggio tenuta soffice su pistone
	6	Elastic Pin	Spina Elastica
	7	Stem	Stelo
	8	Body gasket /s	Guarnizione/I Corpo
	9	Bonnet	Bonnet
	9a	Finned Bonnet	Prolunga Alettata
	9c	Lubricator	Ingrassatore
	9d	Bellows seal flange	Flangia Attacco e soffiETTO
	9e	Bonnet for bellows seal	Prolunga soffiETTO
	10	Guide Bushing	Bussola
	11	Body Stud Bolts	Prigionieri corpo
	12	Body Nuts	Dadi serraggio corpo
	13	Packing Washer	Rondella Premistoppa
	14	Packing spring	Molla Premistoppa
	15	Packing	Premistoppa
	15a	Snore-piece packing	Lanterna premistoppa p.a.
	16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
	17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
	22	Stroke label and rivets	Targhetta e rivetti
	35	Flange Electric Actuator	Flangia Motore
	36	Screw Columns	Viti serraggio colonne
	37	Columns	Colonne
	38	Electric Actuator	Attuatore Elettrico

			
STANDARD BONNET BONNET STANDARD	FINNED BONNET BONNET ALETTATO	EXTENDED BONNET BONNET ALUNGATO	BONNET with BELLWS BONNET con SOFFIETTO

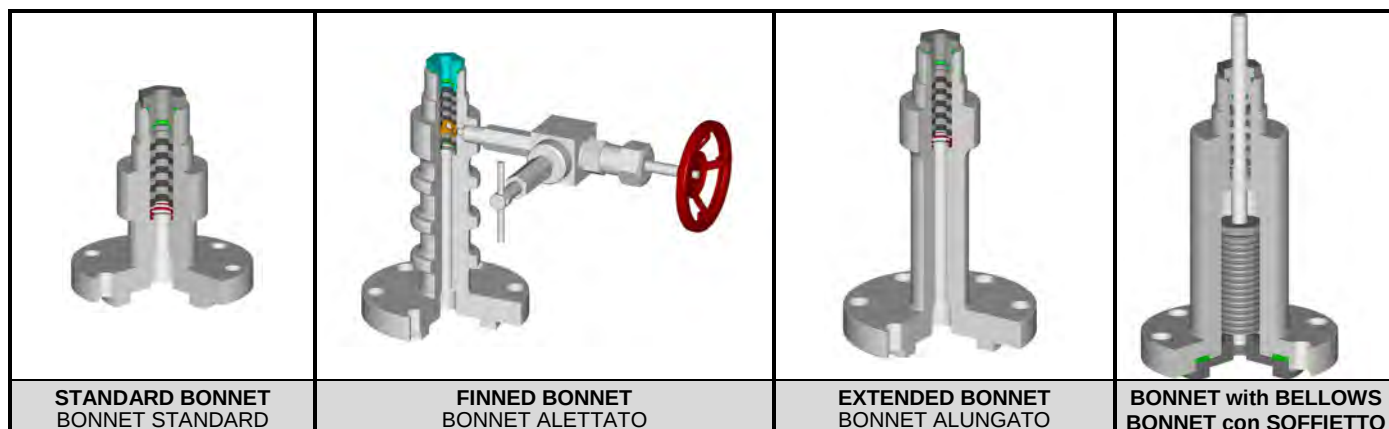


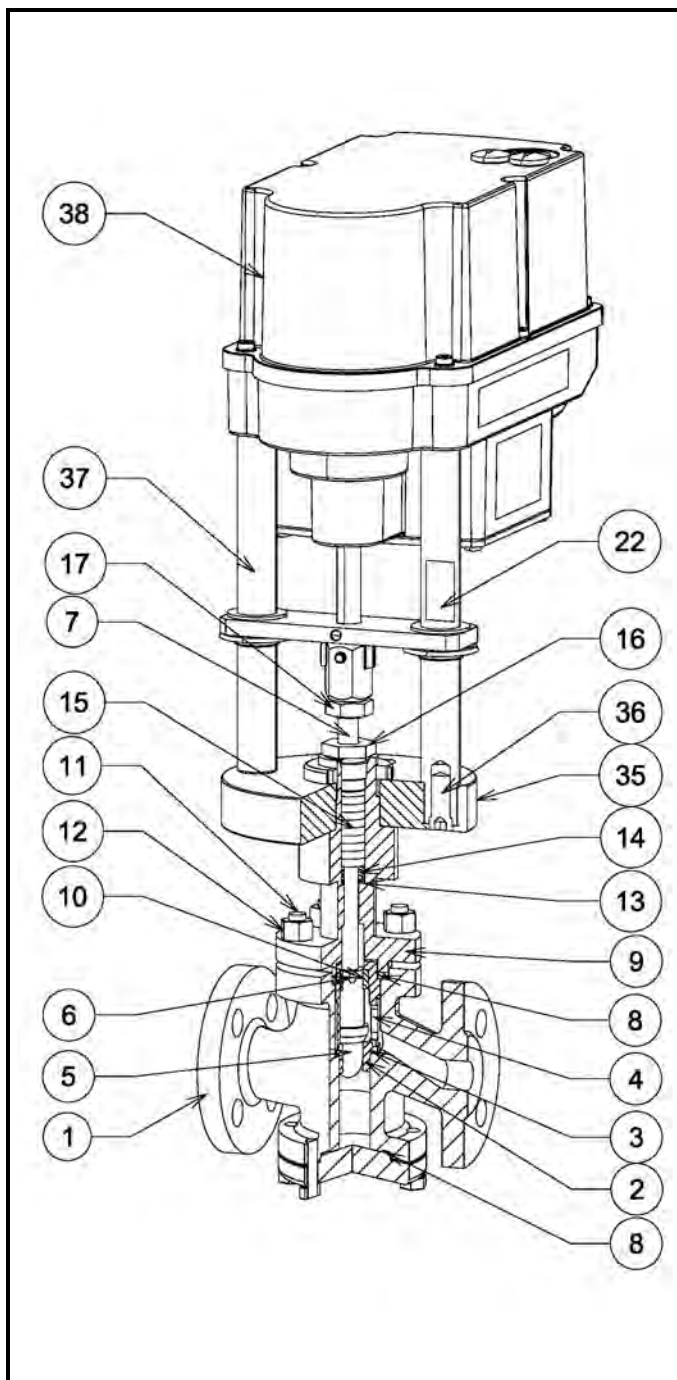
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
5	Plug or Piston	Otturatore e/o Pistone
5a	Stem Support	Supporto stelo
5b	Soft Seal Plate	Fondello Tenuta Soffice
5c	Soft seal ring (countered)	Anello tenuta soffice
5d	Plug shape for soft seal (countered)	Profilo Otturatore tenuta soffice
5e	Soft Seal Plug Washer	Rondella otturatore tenuta soffice
5f	Soft Seal Plug Locking Nuts	Dadi di serraggio otturatore tenuta soffice
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffietto
9e	Bonnet for bellows seal	Prolunga soffietto
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
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35	Flange Electric Actuator	Flangia Motore
36	Screw Columns	Viti serraggio colonne
37	Columns	Colonne
38	Electric Actuator PSF Series	Attuatore Elettrico Serie PSF



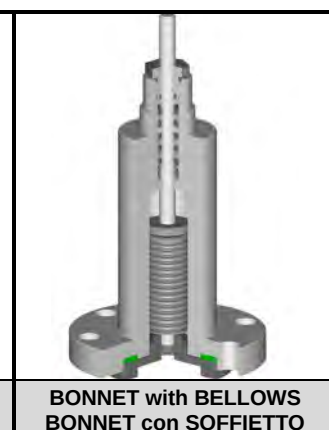
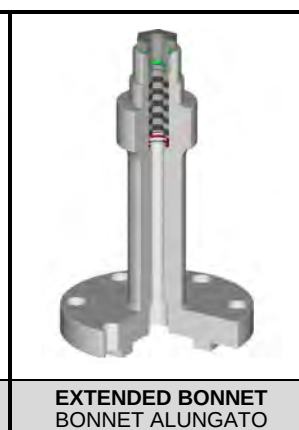
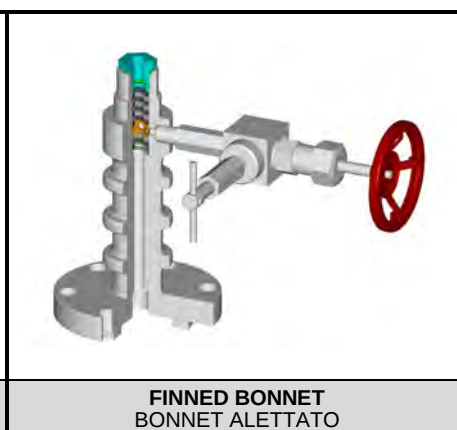
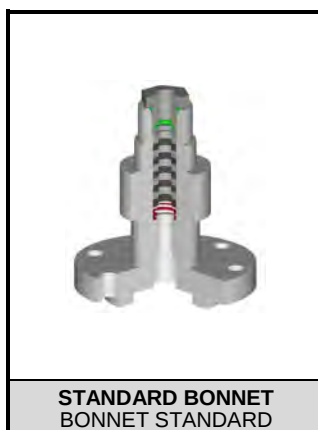


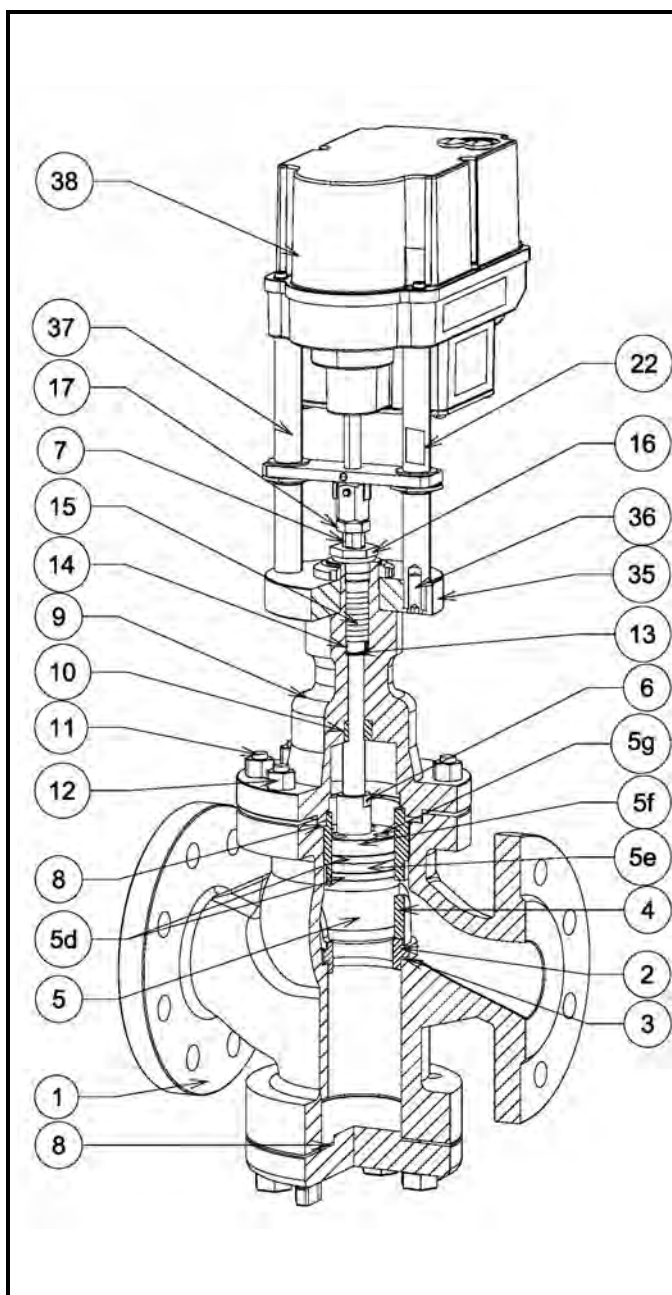
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
4a	2° Cage	Seconda Gabbia
5	Plug or Piston	Otturatore e/o Pistone
5d	N°2 seal on piston	N° 2 Tenute su pistone
5e	Intermediate piston plate	Fondello Pistone Intermedio
5f	Upper piston plate	Fondello Pistone superiore
5g	Screws thightness upper piston	Viti serraggio pistone
5i	soft seal on piston	Anello tenuta soffice su pistone
5j	plate for soft seal on piston	Piattello otturatore tenuta soffice
5k	Screws thightness soft seal piston	Viti Serraggio tenuta soffice su pistone
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffietto
9e	Bonnet for bellows seal	Prolunga soffietto
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
14	Packing spring	Molla Premistoppa
15	Packing	Premistoppa
15a	Snore-piece packing	Lanterna premistoppa p.a.
16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
22	Stroke label and rivets	Targhetta e rivetti
35	Flange Electric Actuator	Flangia Motore
36	Screw Columns	Viti serraggio colonne
37	Columns	Colonne
38	Electric Actuator PSF Series	Attuatore Elettrico Serie PSF



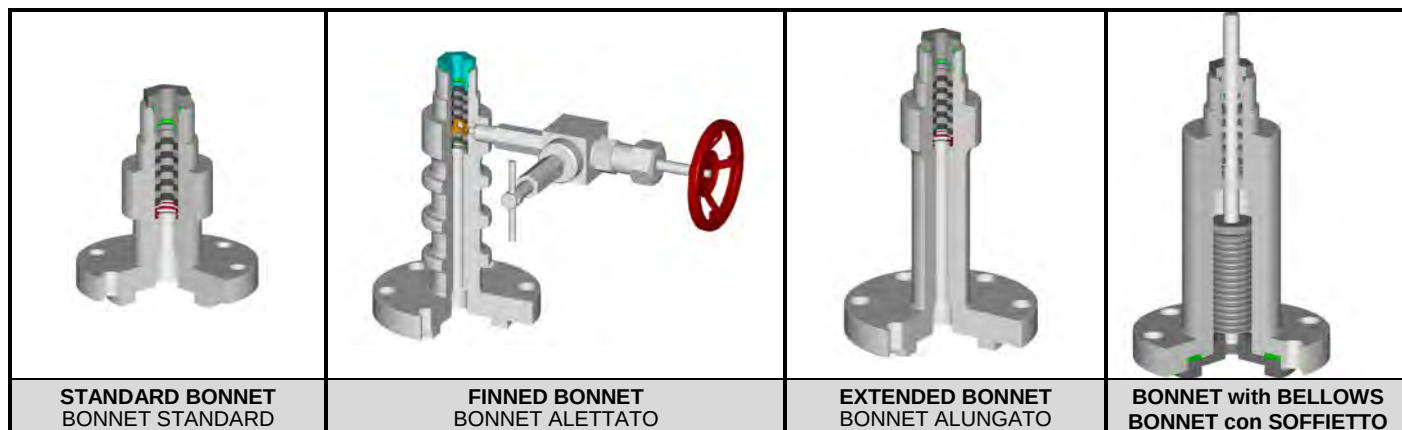


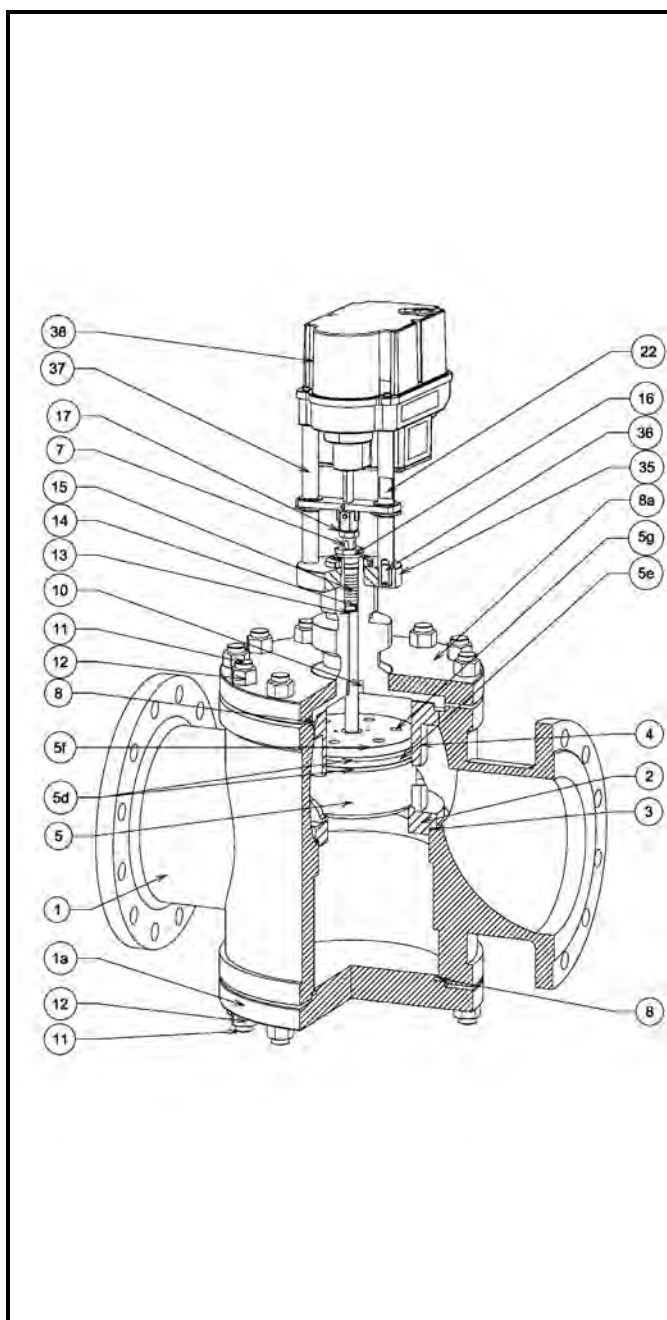
1a	Bottom Flange	Flangia Inferiore
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
5	Plug or Piston	Otturatore e/o Pistone
5a	Stem Support	Supporto stelo
5b	Soft Seal Plate	Fondello Tenuta Soffice
5c	Soft seal ring (countered)	Anello tenuta soffice
5d	Plug shape for soft seal (countered)	Profilo Otturatore tenuta soffice
5e	Soft Seal Plug Washer	Rondella otturatore tenuta soffice
5f	Soft Seal Plug Locking Nuts	Dadi di serraggio otturatore tenuta soffice
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffietto
9e	Bonnet for bellows seal	Prolunga soffietto
10	Guide Bushing	Bussola
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12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
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38	Electric Actuator PSF Series	Attuatore Elettrico Serie PSF



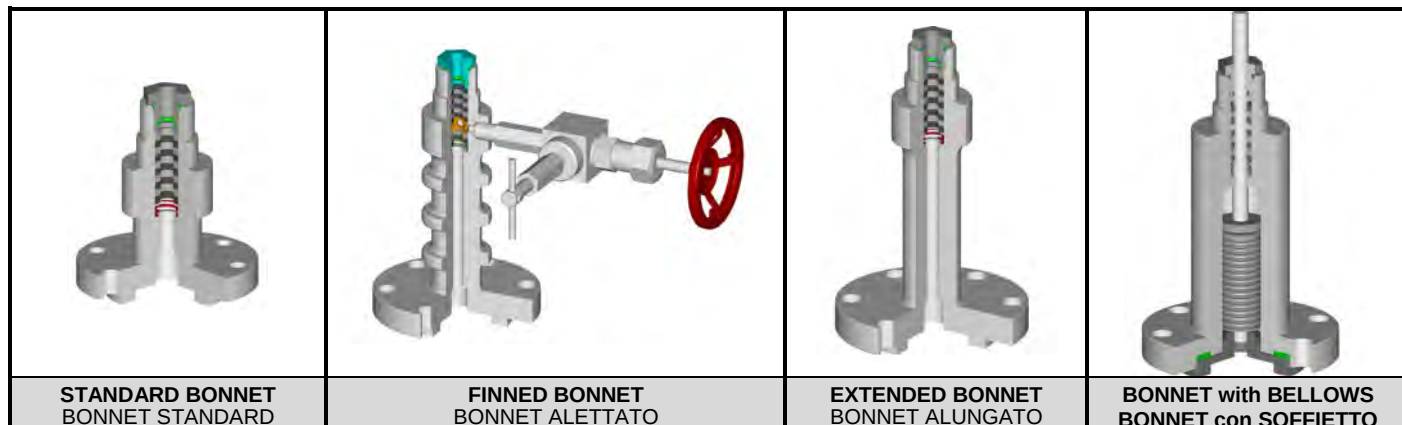


1a	Bottom Flange	Flangia Inferiore
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
4a	2° Cage	Seconda Gabbia
5	Plug or Piston	Otturatore e/o Pistone
5d	N°2 seal on piston	N° 2 Tenute su pistone
5e	Intermediate piston plate	Fondello Pistone Intermedio
5f	Upper piston plate	Fondello Pistone superiore
5g	Screws thightness upper piston	Viti serraggio pistone
5i	Soft seal on piston	Anello tenuta soffice su pistone
5j	Plate for soft seal on piston	Piattello otturatore tenuta soffice
5k	Screws thightness soft seal piston	Viti Serraggio tenuta soffice su pistone
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffietto
9e	Bonnet for bellows seal	Prolunga soffietto
10	Guide Bushing	Bussola
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35	Flange Electric Actuator	Flangia Motore
36	Screw Columns	Viti serraggio colonne
37	Columns	Colonne
38	Electric Actuator PSF Series	Attuatore Elettrico Serie PSF





1a	Bottom Flange	Flangia Inferiore
1	Body	Corpo
2	Seat	Sede
3	Seat Gasket	Guarnizione Sede
4	Cage	Gabbia principale
4a	2° Cage	Seconda Gabbia
4b	3° Cage	Terza Gabbia
5	Plug or Piston	Otturatore e/o Pistone
5d	N°2 seal on piston	N° 2 Tenute su pistone
5e	Intermediate piston plate	Fondello Pistone Intermedio
5f	Upper piston plate	Fondello Pistone superiore
5g	Screws thightness upper piston	Viti serraggio pistone
5i	Soft seal on piston	Anello tenuta soffice su pistone
5j	Plate for soft seal on piston	Piattello otturatore tenuta soffice
5k	Screws thightness soft seal piston	Viti Serraggio tenuta soffice su pistone
6	Elastic Pin	Spina Elastica
7	Stem	Stelo
8	Body gasket /s	Guarnizione/I Corpo
9	Bonnet	Bonnet
9a	Finned Bonnet	Prolunga Alettata
9c	Lubricator	Ingrassatore
9d	Bellows seal flange	Flangia Attacco e soffiETTO
9e	Bonnet for bellows seal	Prolunga soffiETTO
10	Guide Bushing	Bussola
11	Body Stud Bolts	Prigionieri corpo
12	Body Nuts	Dadi serraggio corpo
13	Packing Washer	Rondella Premistoppa
14	Packing spring	Molla Premistoppa
15	Packing	Premistoppa
15a	Snore-piece packing	Lanterna premistoppa p.a.
16	Packing Guide complete of "o" rings	Bussola premistoppa con "o" rings
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo
22	Stroke label and rivets	Targhetta e rivetti
35	Flange Electric Actuator	Flangia Motore
36	Screw Columns	Viti serraggio colonne
37	Columns	Colonne
38	Electric Actuator PSF Series	Attuatore Elettrico Serie PSF

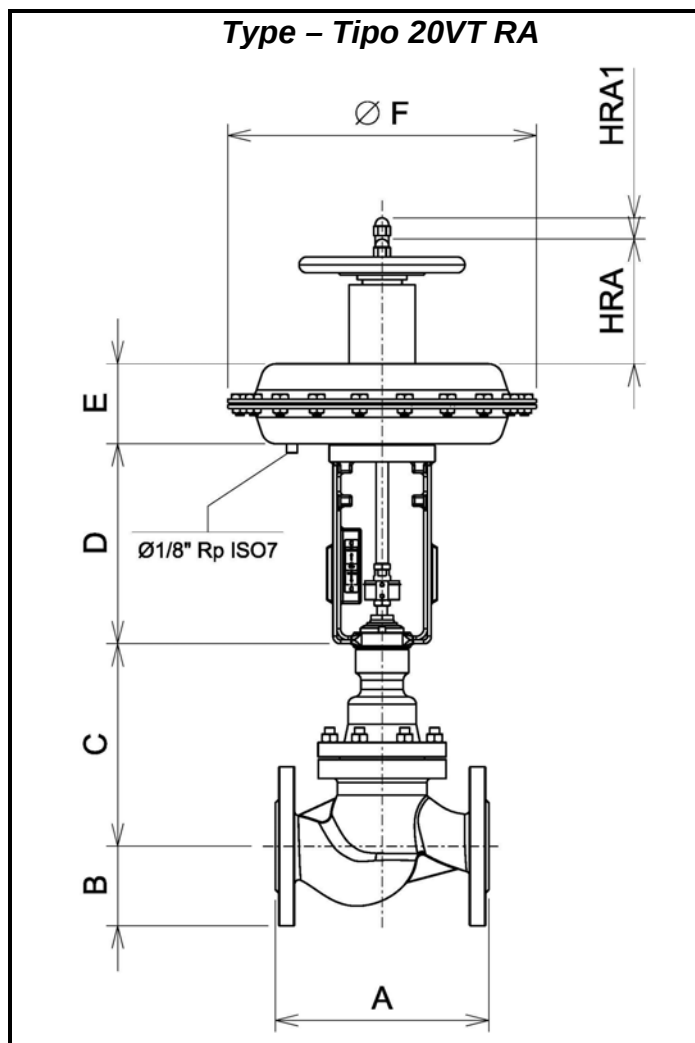


Components List - Materials

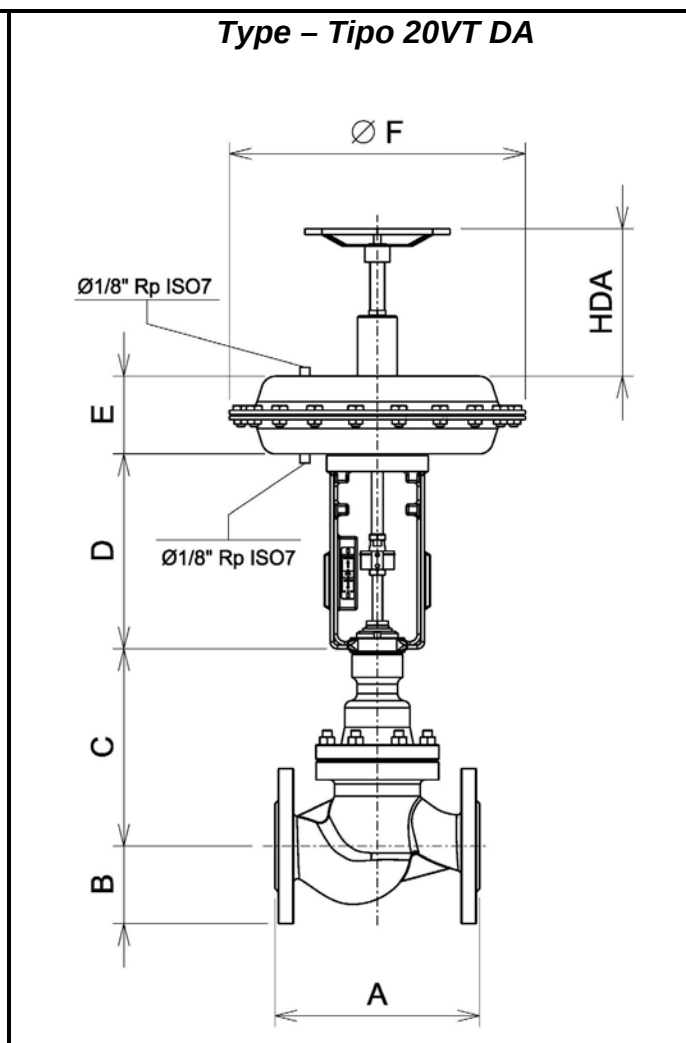
Elenco Componenti - Materiali

Item	Description	Descrizione	CAST IRON	CARBON STEEL	STAINLESS STEEL
			Ghisa	Acciaio Carbonio	Acciaio Inox
			- 20 / +200 °C	- 20 /+400/425 °C	- 196 / +425 °C
1a	Bottom Flange	Flangia Inferiore	A105 nickel plated	A105 nickel plated	AISI 316
1	Body	Corpo	EN-GJL-250	ASTM A 216 WCB GP240GH-N	1.4408
2	Seat	Sede	AISI 316 + stellite		
3	Seat Gasket	Guarnizione Sede	Europill or Motorgasket		
4-4a-4b	Cage / Cages	Gabbia principale + Gabbie	AISI 316		
5	Plug or Piston	Otturatore e/o Pistone	AISI 316 + stellite		
5d	N°2 seal on piston	N° 2 Tenute su pistone	EK 3245 Graphite + Antimon / Grafite + Antimonio or PTFE		
5e	Intermediate piston plate	Fondello Pistone Intermedio	AISI 316		
5f	Upper piston plate	Fondello Pistone superiore	AISI 316		
5g	Screws thightness upper piston	Viti serraggio pistone	ISO 4762 Cl. A2		
5i	soft seal on piston	Anello tenuta soffice su pistone	PTFE or PTFE/GR		
5j	plate for soft seal on piston	Piattello otturatore tenuta soffice	AISI 316		
5k	Screws thightness soft seal piston	Viti Serraggio tenuta soffice su pistone	ISO 4762 Cl. A2		
6	Elastic Pin	Spina Elastica	A2		
7	Stem	Stelo	AISI 431		
8	Body gasket /s	Guarnizione/I Corpo	Spirometallic A304/Graphite – Spirometallica A304/grafite		
8a	Bonnet Flange	Flangia di chiusura bonnet	A105 nickel plated	A105 nickel plated	AISI 316
9	Bonnet	Bonnet	A105 nickel plated	A105 nickel plated	AISI 316
9a	Finned Bonnet	Prolunga Alettata	A105 nickel plated	A105 nickel plated	AISI 316
9c	Lubricator	Ingrassatore	A105 galvanized		
9d	Bellow seal Flange + bellows	Flangia attacco soffietto e soffietto	A105 + AISI 316	A105 + AISI 316	AISI 316
9e	Bonnet for bellows seal	Prolunga Soffietto	A105 nickel plated		
10	Guide Bushing	Bussola	AISI 304		
11	Body Stud Bolts	Prigionieri corpo	A193 B7 galvanized		
12	Body Nuts	Dadi serr. corpo	A194 2H galvanized		
13	Packing Washer	Rondella Premist.	A2		
14	Packing spring	Molla Premistoppa	AISI 303		
15	Packing	Premistoppa	PTFE (PTFE V rings 100 %) on request TA-LUFT PTFE/GR (PTFE V RINGS 85% + Graphite V rings 15 %) Pure Graphite – Grafite Pura		
15a	Snore-piece packing	Lanterna premistoppa p.a.	AISI 316		
16	Packing Guide +of “o” rings	Bussola premistoppa con “o” rings	AISI 303 + “O” RINGS GREEN VITON		
17	n°2 locking nuts stem	N°2 dadi bloccaggio stelo	A2		
18	Union Block	Blocchetto Unione	AISI 304		
19	Locking nut for upper stem	Dado bloccaggio per asta superiore	A2		
20	Upper stem	Asta Superiore	AISI 304		
21	Yoke with upper air tight and “o” ring	Castello con corteco e “o” ring	EN-GJS500-7 + NBR	EN-GJS500-7 + VMQ low temp. ≥- 50°C on request	
22	Stroke label-rivets	Targhetta e rivetti	AISI 304 + A2		
23	Yoke gasket	Guarnizione Castello	Corke Rubber	VMQ low temp. ≥- 50°C on request	
24	Screws thightness for cases/yoke	Viti serraggio testate/castello	Class 8.8 galvanized		
25	Diaphragm spacer	Distanziale membrana	Galvanized steel		
26	Diaphragm	Membrana	EPDM standard	VMQ low temp. ≥- 50°C on request	
27	Diaphragm plate	Piatto Membrana	P01 steel		
28	Diaphragm bush	Boccola membrana	AISI 303		
29	Diaphragm lock screw	Vite serraggio membrana	ISO 7380 Galvanized steel		
30	Springs	Molle Attuatore	C98 UNI 3823		
31	Lower case	Testata Inferiore	P11 steel		
32	Upper case	Testata Superiore	P11 steel		
33	Screws thightness for case	Viti serraggio Testata	DIN 933 galvanized steel		
34	Nuts for case	Dadi Testata	Class 6S galvanized		
35	Flange Motor	Piastra Motore	A105 nickel plated		
36	Flange screws	Viti	Class 8.8 galvanized		
37	Columns	Colonne	1.4104		
38	Electric Motor	Motore	Original PS Automation		

Dimensions - mm

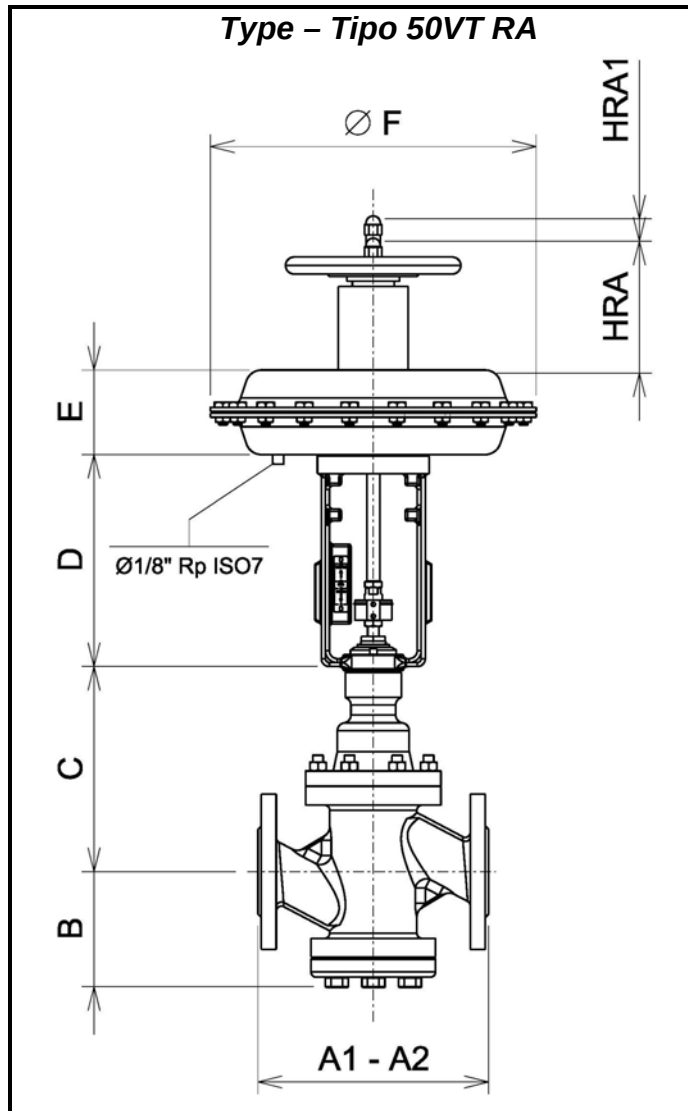


Dimensioni - mm

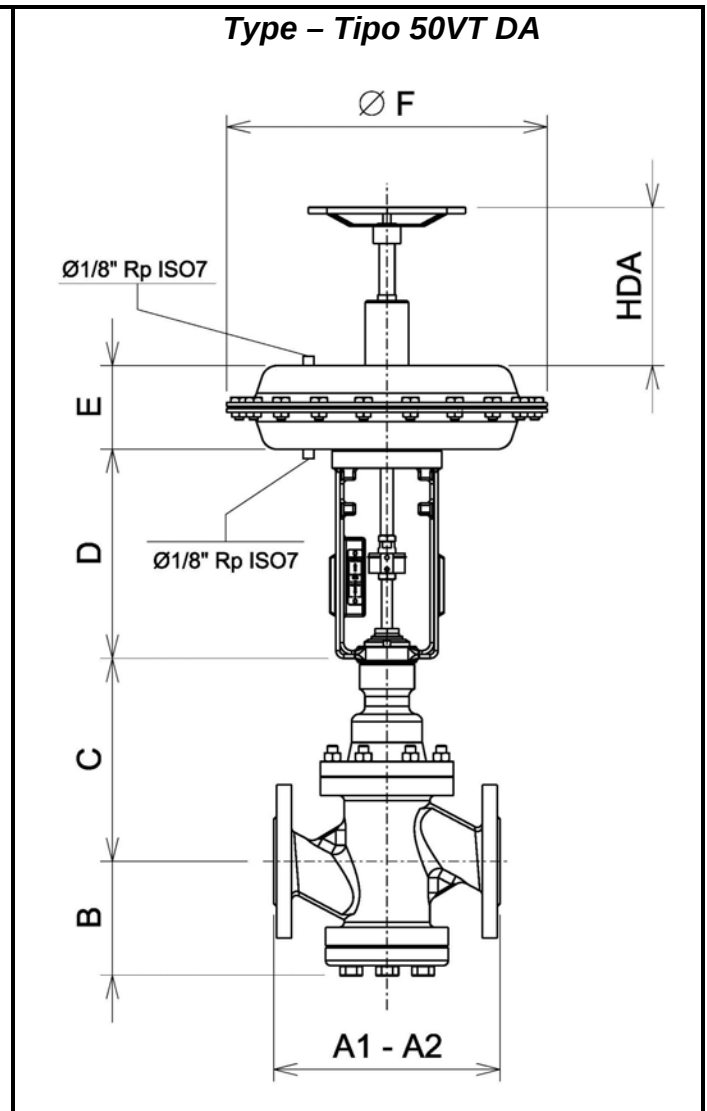


BODY GROUP								ACTUATOR							
DN	Ø	A	B	C			D	TYPE	ØF	E			Handwheel		
				Std	Finned Extended	Bellow				DA	RA		HRA	HRA1	HDA
											3-15 6-18 Psi	6-30 Psi			
15	1/2"	130	48	125	190	205	271	200	210	70	70	70	200	19	220
20	3/4"	150	53	134	199	214		250	292	70	70	70		19	
25	1"	160	53	141	209	217		310	336	95	95	95		28	
32	1.1/4"	180	70	143	211	219		400	408	119	119	144		40/50	
40	1.1/2"	200	75	154	218	226		500	520	119	119	144		40/50	
50	2"	230	83	174	254	247									
65	2.1/2"	290	83	260	278	474									
80	3"	310	100	288	304	502									
100	4"	350	118	290	305	464									

Dimensions - mm



Dimensioni - mm

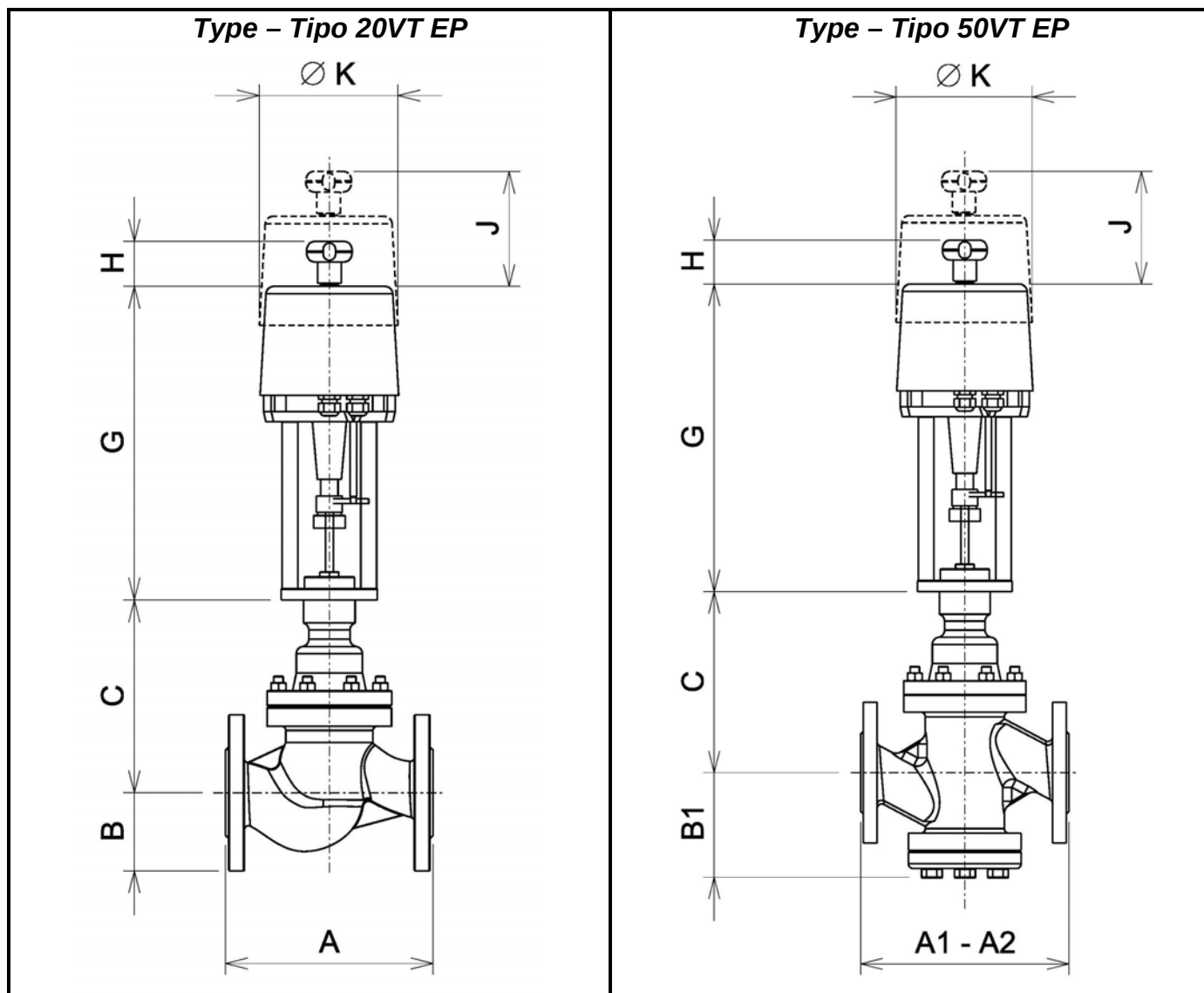


BODY GROUP									ACTUATOR							
DN	Ø	A1	A2	B	C			D	TYPE	ØF	E			Handwheel		
					Std	Finned Extended	Bellow				DA	RA		HRA	HRA1	HDA
												3-15 6-18 Psi	6-30 Psi			
15	1/2"	184	190	67	125	190	205	271	200	210	70	70	70	200	19	220
20	3/4"	184	194	67	134	199	214		250	292	70	70	70		19	
25	1"	184	197	90	141	209	217		310	336	95	95	95		28	
32	1.1/4"	200	212	92	143	211	219		400	408	119	119	144		40/50	
40	1.1/2"	222	235	108	154	218	226		500	520	119	119	144		40/50	
50	2"	254	267	108	174	254	247									
65	2.1/2"	276	292	148	260	278	474									
80	3"	296	317	148	288	304	502									
100	4"	352	368	176	290	305	464									
125	5"	403	425	223	281	435	435									
150	6"	450	473	229	287	442	442									
200	8"	543	568	254	312	465	465									

A1 Cast iron / ghisa = PN16 – ANSI150 A2 Cast Steel / Stainless Steel – Acc. Carbonio / Acc. Inox = PN16 – PN40 – ANSI150 – ANSI300

Dimensions - mm

Dimensioni - mm



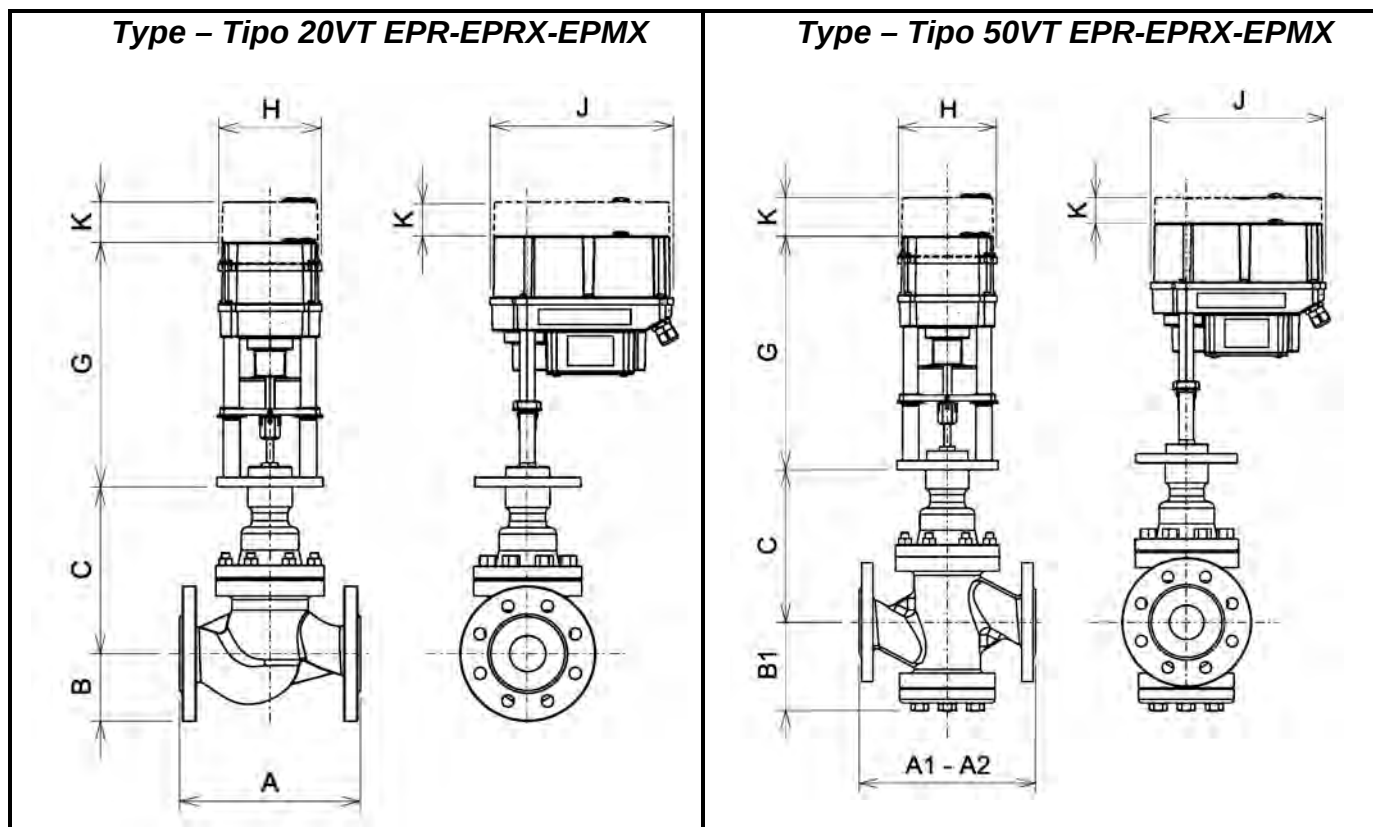
DN	Ø	A	A1	A2	B	B1	C			Type of Electric Actuator	G	H	J	Ø K
							Std	Finned Extended	Bellow					
15	1/2"	130	184	190	48	67	125	190	205	PSL202	450	50	100	176
20	3/4"	150	184	194	53	67	134	199	214					
25	1"	160	184	197	53	90	141	209	217					
32	1.1/4"	180	200	212	70	92	143	211	219	PSL204				
40	1.1/2"	200	222	235	75	108	154	218	226					
50	2"	230	254	267	83	108	174	254	247					
65	2.1/2"	290	276	292	83	148	260	278	474	PSL210				
80	3"	310	296	317	100	148	288	304	502					
100	4"	350	352	368	118	176	290	305	464					
125	5"	-	403	425	-	223	281	435	435	PSL214	496	52	120	180
150	6"	-	450	473	-	229	287	442	442					
200	8"	-	543	568	-	254	312	465	465					

A1 Cast iron / ghisa = PN16 – ANSI150

A2 Cast Steel / Stainless Steel – Acc. Carbonio / Acc. Inox = PN16 – PN40 – ANSI150 – ANSI300

Dimensions - mm

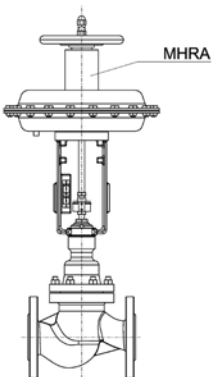
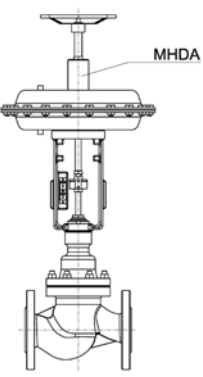
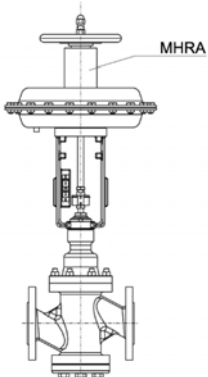
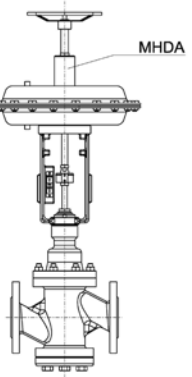
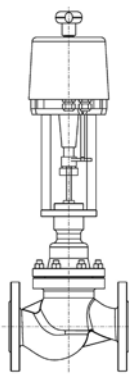
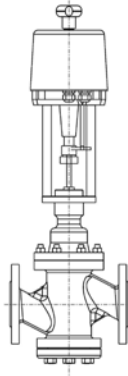
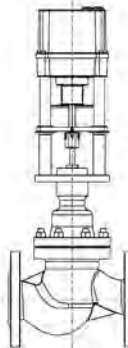
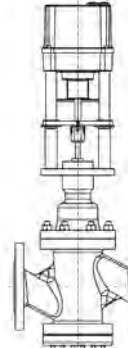
Dimensioni - mm



DN	Ø	A	A1	A2	B	B1	C			Type of Electric Actuator	G	H	J	K
							Std	Finned Extended	Bellow					
15	1/2"	130	184	190	48	67	125	190	205	PSF-EX	295	135	239	100
20	3/4"	150	184	194	53	67	134	199	214					
25	1"	160	184	197	53	90	141	209	217					
32	1.1/4"	180	200	212	70	92	143	211	219					
40	1.1/2"	200	222	235	75	108	154	218	226					
50	2"	230	254	267	83	108	174	254	247	PSFM-EX	295	135	239	100
65	2.1/2"	290	276	292	83	148	260	278	474					
80	3"	310	296	317	100	148	288	304	502					
100	4"	350	352	368	118	176	290	305	464	PSF	276	135	239	80
125	5"	-	403	425	-	223	281	435	435					
150	6"	-	450	473	-	229	287	442	442					
200	8"	-	543	568	-	254	312	465	465					

A1 Cast iron / ghisa = PN16 – ANSI150

A2 Cast Steel / Stainless Steel – Acc. Carbonio / Acc. Inox = PN16 – PN40 – ANSI150 – ANSI300

Type – Tipo 20VT RA 	Type – Tipo 20VT DA 	Type – Tipo 50VT RA 	Type – Tipo 50VT DA 
Type – Tipo 20VT EP 	Type – Tipo 50VT EP 	Type – Tipo 20VT EPR – EPRX – EPMX 	Type – Tipo 50VT EPR – EPRX – EPMX 

BODY GROUP – weight Kg								GRUPPO CORPO – Peso Kg					
DN	Ø	20VT – Cast Iron / Ghisa			20VT – Steel / Acciaio			50VT – Cast Iron / Ghisa			50VT – Steel / Acciaio		
		Bonnet											
		Std	Finned Alettato	Bellow Soffietto	Std	Finned Alettato	Bellow Soffietto	Std	Finned Alettato	Bellow Soffietto	Std	Finned Alettato	Bellow Soffietto
15	1/2"	5	5,8	5,8	5,1	5,9	5,9	6,4	7,2	7,2	6,5	7,3	7,3
20	3/4"	5,4	6,2	6,2	6,1	6,9	6,9	7,1	7,9	7,9	8,5	9,3	9,3
25	1"	8	8,6	9,6	8,5	9,1	10,1	12,6	13,2	14,2	13,5	14,1	15,1
32	1.1/4"	9,7	10,3	11,3	11,1	11,7	12,7	12,9	13,5	14,5	14,4	15,2	16,2
40	1.1/2"	12,7	13,7	14,5	13,4	14,4	15,2	15,8	16,8	17,6	18,1	19,1	19,9
50	2"	15	16	16,8	17	18	18,8	18,1	19,1	19,9	20,1	21,1	21,9
65	2.1/2"	31,4	33,4	34,1	28,8	30,8	31,5	38,1	40,1	40,8	44,9	46,9	47,6
80	3"	34,9	36,9	37,6	32,2	34,2	34,9	38,7	40,7	41,4	45,6	47,6	48,3
100	4"	50,7	52	52,5	53,9	55,2	55,7	69,7	71	71,5	76,9	78,2	78,7
125	5"	Non applicabile – Not applicable						106	118	115	126	138	135
150	6"							129	141	135	143	155	149
200	8"							212	221	217	216	225	221

ACTUATORS – weight Kg				ATTUATORI – peso Kg						
Type of Pneumatic Actuators <i>Tipo di Attuatore Pneumatico</i>	DA Direct Acting Azione Diretta	RA Reverse Acting Azione Rovescia		Handwheel Volantino		Type of Electric Actuators <i>Tipo di Attuatore Elettrico</i>				
	Signal Segnale	Signal Segnale				AMS Series		PSF Series		
	6-30 psi	3-15/6-18 psi	6-30 psi	MHDA	MHRA					
	T200	7,9	7,9	8	2,5	4,5	PSL202	6,5	PSF402-EX	7,2
	T250	10	10	10,7			PSL204	8	PSFM402-EX	6,7
T310	14,4	14,4	15	PSL210			9,5	PSF402	5,6	
T400	21,6	21,6	22,4	PSL214			11	-	-	
T500	31.6	31.6	40.5	-			-	-	-	

VTop Series

SPECIAL OPTIONS

- Body degreasing for Oxygen service
- Special Materials
(Duplex, Super Duplex Hastelloy, ...)

OPZIONI SPECIALI

- Sgrassaggio corpo per applicazioni con Ossigeno
- Materiali Speciali
(Duplex, Super Duplex Hastelloy, ...)

SUGGESTED SPARE PARTS

Commissioning and start-up

Seat body gasket
Main body gasket
Packing
Soft ring for valve plug (CL.VI° only)

Gasket kit (only for Pneumatic Actuator):

- EPDM/VMQ10 diaphragm
- Yoke gasket
- Air tight
- Internal "O" rings

Suggested spare parts (after 2 years)

- Complete trim
(seat + gaskets + packing included)
- Gasket kit for Pneumatic Actuator
- Electrical accessories (2% per type)

Special tools are not necessary for maintenance

RICAMBI SUGGERITI

Commissioning e avviamento

Guarnizione sede
Guarnizione corpo
Premistoppa
Tenuta soffice su otturatore

Kit guarnizioni (solo per attuatore pneumatico)

- Membrana EPDM/VMQ10
- Guarnizione castello
- Corteco
- "O" rings

Parti di ricambio consigliate (dopo 2 anni)

- Trim completo
(incluso sede + guarnizioni + premistoppa)
- Kit guarnizioni per Attuatore Pneumatico
- Accessori Elettrici (2% per Tipo)

Non sono necessari per la manutenzione attrezzi speciali

CONFLOW s.p.a.

FLOW CONTROL SOLUTIONS

QUALITY CERTIFIED COMPANY UNI EN ISO 9001 : 2015



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Servicing Department – Servizio Assistenza

E-mail : servicing@confflow.it

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Fax : +39 - (0)39 – 65401

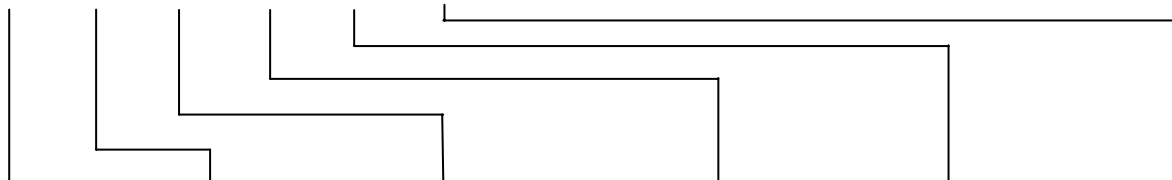
Web : www.confflow.it

Sistema Codifica Prodotti Serie HP60

Products Codification System HP60 Series

Codice Esempio / Example Code

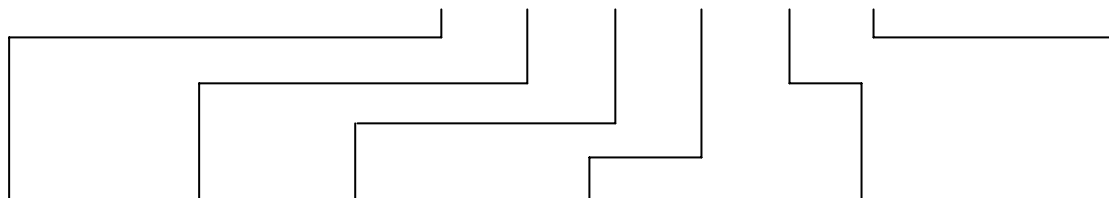
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Tipo Type		DN		Materiale Material		Flangiatura Connections		Passaggio Bore		Otturatore Plug	
60	HP60	024	Ø 1"	B	Carbon Steel	63B	PN 63 form B	FB	Full Bore	1E	1 Cage %
		025	DN25	C	AISI 316	63C	PN 63 form C	03	Ø1/8"	1L	1 Cage Linear
		031	Ø1.1/4"	E	AISI 316L	63D	PN 63 form D	05	Ø3/16"	2L	2 Cages Linear
		032	DN32	L	A352-LCB	63E	PN 63 form E	06	Ø1/4"	2E	1 Cage 1%+1L
		039	Ø 1.1/2"	W	Super Duplex	63F	PN 63 form F	10	Ø3/8"	3L	3 Cages Linear
		040	DN40	Y	Special	10B	PN100 form B	15	Ø1/2"	3E	1 Cage 1%+2L
		049	Ø 2"			10C	PN100 form C	20	Ø3/4"	CE	% (EQP-EQV)
		050	DN50			10D	PN100 form D	25	Ø1"	CL	Linear (PL-LV)
		064	Ø2.1/2"			10E	PN100 form E	32	Ø1.1/4"	CT	On-Off (PT-VPT)
		065	DN65			10F	PN100 form F	40	Ø1.1/2"	MF	Microflow Linear
		079	Ø 3"			30J	ANSI 300 RJ	50	Ø2"	1S	Microflow 1SG %
		080	DN80			30R	ANSI 300 RF	65	Ø2.1/2"	2S	Microflow 2SG %
		099	Ø 4"			60J	ANSI 600 RJ	80	Ø3"		
		100	DN100			60R	ANSI 600 RF				
						6LT	ANSI 600 LT				
						6LG	ANSI 600 LG				
						6ST	ANSI 600 ST				
						6SG	ANSI 600 SG				
						6LM	ANSI 600 LM				
						6SM	ANSI 600 SM				
						6SF	ANSI 600 SF				
						BWE	BUt Weld				
						NPT	NPT				
						RCI	RC-ISO7				
						RPI	RP-ISO7				
						SWE	Socket Weld				

Segue Codice Esempio / Follow Example Code

60	025	B	16B	FB	1L	0	0	0	0	0	R	T2	0	19	A
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Tenuta Seal		Guarnizioni Gaskets		Bulloneria Bolts		Bonnet		Bussola guida Guide bush		Premistoppa /Packing	
R	PTFE/GR Cl. VI°	0	STD	0	STD	0	STD Finned	0	STD	C	STD
S	Stellite Gr.6	T	PTFE	1	AISI 304	E	Extended	H	Stellite Gr.6	G	Graphite
T	PTFE Cl. VI°			2	AISI 316	S	Bellows PN16	R	Rasch./Scraper	I	Lubricator+Graphite
V	Cl.V°					T	Bellows PN25			L	Labirinth *
						U	Bellows PN40			R	PTFE+GR
						Y	Cryogenic Extended			T	PTFE

* + Lubricator/Graph.