

BALL O MATIC 3 WAY

VALVOLA A SFERA A 3 VIE SERIE PESANTE PER ATTUATORE PER VALVOLE ENOLGAS
3 WAY BALL VALVE HEAVY SERIES FOR ACTUATOR FOR ENOLGAS VALVE

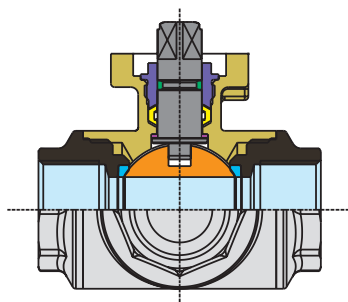


SPECIFICA MATERIALI MATERIAL SPECIFICATION

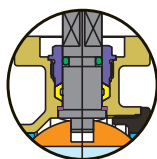
PARTICOLARI COMPONENT

MATERIALI MATERIAL

DESCRIZIONE DESCRIPTION



TRIPLA TENUTA SUPERIORE E PERNO ANTISCOPPIO
TRIPLE SEALING BLOW OUT-PROOF STEM



- Guarnizione PTFE
- Stem packing PTFE
- O-Ring
- Anello antifrizione
- Thrust washer
- Perno Antiscoppio
- Bow out-proof stem

 CORPO BODY	CW 617 N UNI EN 12165	STAMPATO DA BARRA, NICHELATO Forged, Nickel-Plated
 MANICOTTO END ADAPTER	CW 617 N UNI EN 12165	STAMPATO DA BARRA, NICHELATO Forged, Nickel-Plated
 SFERA BALL	CW 614 N UNI EN 12164	DA BARRA, NICHEL-CROMATA Machined, Chrome-Plated
 SEDI LATERALI BALL GASKETS	PTFE	VERGINE Virgin
 PERNO STEM	CW 614 N UNI EN 12164	DA BARRA, NICHELATO Machined, Chrome-Plated
 O-RINGS	ELASTOMERO Elastomer	- -
 PREMI GUARNIZIONE GLAND	CW 614 N UNI EN 12164	DA BARRA Machined
 ANELLO ANTIFRIZIONE THRUST WASHER	PTFE	VERGINE Virgin
 GUARNIZIONE DI TENUTA SUP. STEM PACKING	PTFE	VERGINE Virgin

FILETTATURE

Estremità filettate UNI EN 10226.

END CONNECTIONS

Threaded ends UNI EN 10226(ex UNI 7/1).

IMPIEGHI

Le valvole **BALL O MATIC** sono adatte per acqua fredda e calda, aria compressa, oli, idrocarburi e fluidi non corrosivi. Per usi speciali vedere la tabella delle resistenze chimiche.

APPLICATIONS

BALL O MATIC valves are suitable for applications with hot and cold water, compressed air, oils, hydrocarbons and non-corrosive fluids. For any special uses please see the table of chemical resistance.

PRESSIONE DI ESERCIZIO

Da PN40 (1/4") a PN25 (2") vedere diagramma.

PRESSURE LIMITS

From PN40 (1/4") up to PN25 (2"), see diagram.

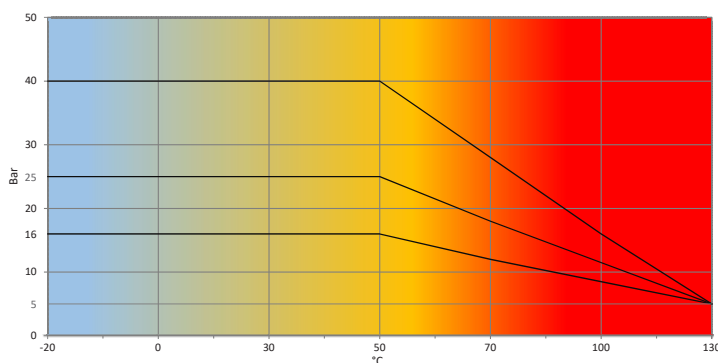
LIMITI DI TEMPERATURA

Da -20 a + 130 °C.
Vedere diagramma pressione / temperatura.

TEMPERATURE LIMITS

From -20 to + 130 °C.
See pressure/temperature diagram.

Diagramma pressione/temperatura (prova eseguita con acqua)
Pressure/temperature diagram (tested with water)



BALL O MATIC 3 WAY

VALVOLA A SFERA A 3 VIE SERIE PESANTE PER ATTUATORE
3 WAY BALL VALVE HEAVY SERIES FOR ACTUATOR

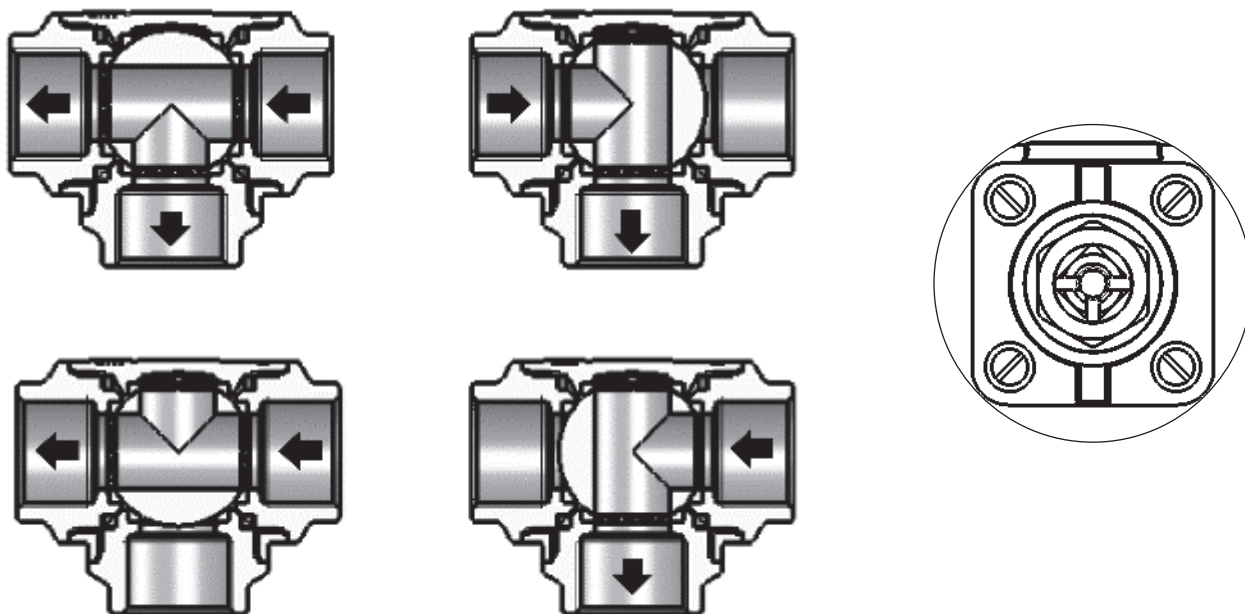
MISURA SIZE	PN MAX (bar)	Coppia di spunto Max (Nm) Max breaking torque (Nm)	Kv (con acqua) Kv (with water)
1/4"	40	6	-
3/8"	40	6	-
1/2"	40	7	5,4
3/4"	40	8	8,6
1"	40	11	15,6
1"1/4	40	16	30,3
1"1/2	25	25	52,6
2"	25	30	73

I valori sono medi/indicativi e si riferiscono ad una valvola nuova, come rilasciata da ENOLGAS dopo sette giorni di fermo, alla temperatura di 25°. Prevedere opportuni margini di sicurezza funzionali all'utilizzo in caso di accoppiamento delle valvole con attuatori diversi.

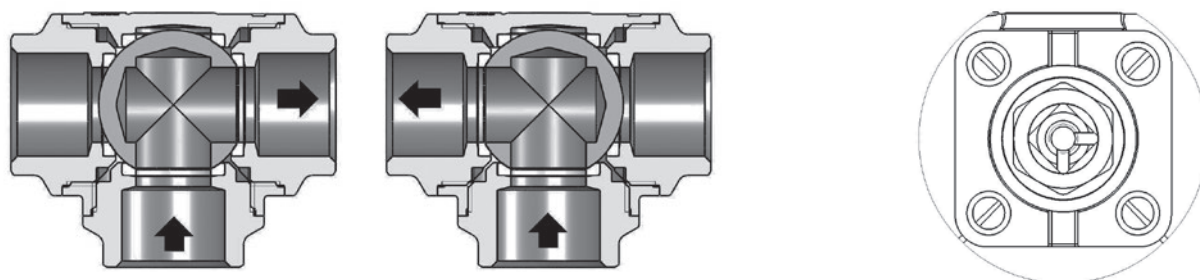
The above mentioned values are indicative (statistic average) and refer to a valve new, as released by ENOLGAS after seven days standstill, at the temperature of 25°. Please consider eventual safety margin in case you might use the valve with different actuators.

POSIZIONE SFERA E PERNO / BALL AND STEM POSITION

S1070 SFERA / BALL "T"



S1071 SFERA / BALL "L"



BALL O MATIC 3 WAY

VALVOLA A SFERA A 3 VIE SERIE PESANTE PER ATTUATORE
3 WAY BALL VALVE HEAVY SERIES FOR ACTUATOR

S1070

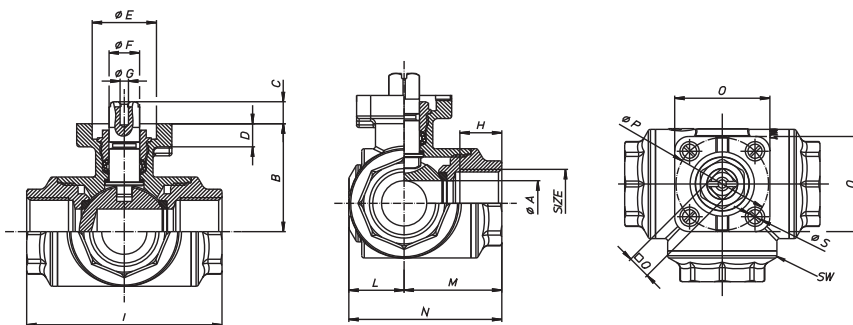
BALL O MATIC T-PORT

ERC

S1071

BALL O MATIC L-PORT

ERC



CODICE CODE	ISO FLANGE	MISURA SIZE	PN Bar	øA	B	C	D	øE	øF	øG	H	I	L	M	N	O	øP	øQ	øS	SW	Box Crt
S1070N32 - S1071N32	F03	¼" (DN 8)	40	8	38	9	9	25	10,8	M4	15	64,5	17	32,5	49,5	37	F3	9	5,5	25	6/30
S1070N33 - S1071N33	F03	⅜" (DN 10)	40	10	38	9	9	25	10,8	M4	15	64,5	17	32,5	49,5	37	F3	9	5,5	25	6/30
S1070N34 - S1071N34	F03	½" (DN 15)	40	15	38	9	9	25	10,8	M4	15	64,5	17	32,5	49,5	37	F3	9	5,5	25	6/30
S1070N35 - S1071N35	F03	¾" (DN 20)	40	20	42	9	9	25	11,9	M4	16,3	76	21,5	38	59,56	37	F3	9	5,5	31	6/24
S1070N36 - S1071N36	F03/F04	1" (DN 25)	40	25	46,5	9	9	25	11,9	M4	19,1	97	26	48,5	74,5	42	F3-F4	9	5,5	41	6/12
S1070N37 - S1071N37	F04/F05	1¼" (DN 32)	40	32	61,5	11	10	30	13,9	M4	21,4	118	36	59	95,5	48	F4-F5	11	5,5-6,5	55	2/4
S1070N38 - S1071N38	F04/F05	1½" (DN 40)	25	40	63,5	11	10	30	13,9	M4	21,4	135	37,5	67,5	105	48	F4-F5	11	5,5-6,5	55	2/4
S1070N39 - S1071N39	F05	2" (DN 50)	25	50	74	14	12	35	17,9	M5	25,7	157	43	78,5	121,5	48	F5	14	6,5	67	1/2

S1070 - Valvola a sfera 3 Vie, passaggio totale con sfera a "T".

S1071 - Valvola a sfera 3 Vie, passaggio totale con sfera a "L".

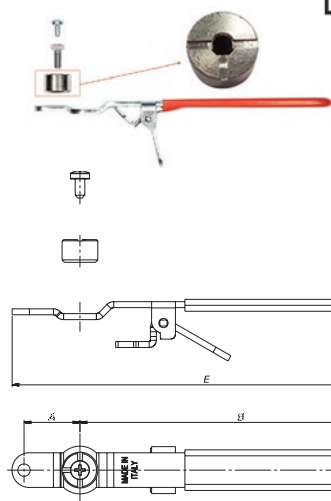
S1070 - 3-way ball valve, full bore with **T-port**.

S1071 - 3-way ball valve, full bore with **L-port**.

S1072

LEVA / LEVER

ERC



CODICE CODE	MISURA SIZE	A	B	C	D	E	Box Crt
S1072A04	¼"...1"	23,5	135	17	5	163,5	1/5
S1072A07	1"¼-1"½	28,5	156,5	17	6	189,5	1/5
S1072A09	2"	29	192	27	10	225,5	1/5

Leva in acciaio posizionabile a 360°. (Indicatore a T).
Steel lever, it can be positioned at 360°C.(T indicator)

BALL O MATIC 3 WAY

VALVOLA A SFERA A 3 VIE SERIE PESANTE PER ATTUATORE
3 WAY BALL VALVE HEAVY SERIES FOR ACTUATOR

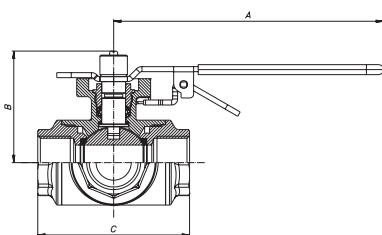
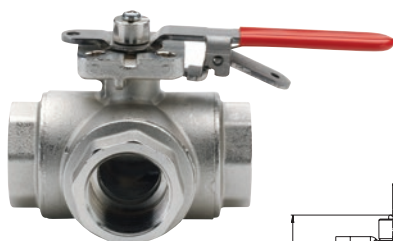
S1073

BALL O MATIC 3 VIE
3-WAY T-PORT



S1074

BALL O MATIC 3 VIE
3-WAY L-PORT



CODICE CODE	MISURA SIZE	PN Bar	A	B	C	Pcs. Box/Crt
S1073N32 - S1074N32	¼" (DN 8)	40	135	52	64,5	6/24
S1073N33 - S1074N33	⅜" (DN 10)	40	135	52	64,5	6/30
S1073N34 - S1074N34	½" (DN 15)	40	135	52	64,5	6/30
S1073N35 - S1074N35	¾" (DN 20)	40	135	56	76	6/24
S1073N36 - S1074N36	1" (DN 25)	40	135	60,5	97	4/12
S1073N37 - S1074N37	1"¼ (DN 32)	40	156	77,5	118	2/6
S1073N38 - S1074N38	1"½ (DN 40)	25	156	79,5	135	2/4
S1073N39 - S1074N39	2" (DN 50)	25	192	93	157	1/4

Valvola a sfera a 3 vie con leva in acciaio posizionabile a 360°
con sfera a "T" (S1073) o a "L" (S1074).
Ball valve full bore with steel lever that can be positioned at 360°
with T-port (S1073) or L-port (S1074).

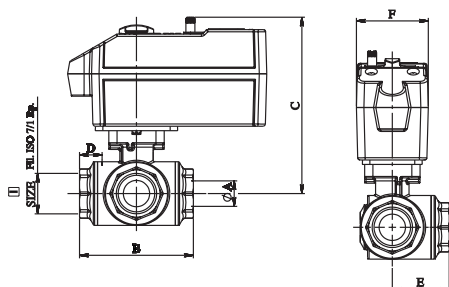
S4051N - S4161N S4061N - S4151N

CARATTERISTICHE ATTUATORE

S4051	T	230V	50HZ	2 punti	1 MICRO	bidirezionale
S4061	T	24V	50HZ	2 punti	1 MICRO	bidirezionale
S4151	L	230V	50HZ	2 punti	1 MICRO	bidirezionale
S4161	L	24V	50HZ	2 punti	1 MICRO	bidirezionale

FEATURES OF THE ACTUATOR

S4051	T-port	230V	50HZ	SPST	1 MICRO	two-way
S4061	T-port	24V	50HZ	SPST	1 MICRO	two-way
S4151	L-port	230V	50HZ	SPST	1 MICRO	two-way
S4161	L-port	24V	50HZ	SPST	1 MICRO	two-way



CODICE CODE	MISURA SIZE	øA	B	C	D	E	F
S4051N32 - S4061N32 - S4151N32 - S4161N32	¼"	8	64,5	114	15	32,5	48
S4051N33 - S4061N33 - S4151N33 - S4161N33	⅜"	10	64,5	114	15	32,5	48
S4051N34 - S4061N34 - S4151N34 - S4161N34	½"	15	64,5	114	15	32,5	48
S4051N35 - S4061N35 - S4151N35 - S4161N35	¾"	20	76	118	15	38	48
S4051N36 - S4061N36 - S4151N36 - S4161N36	1"	25	97	156,5	16,3	48,5	82
S4051N37 - S4061N37 - S4151N37 - S4161N37	1"¼	32	118	181,5	19,1	59	98
S4051N38 - S4061N38 - S4151N38 - S4161N38	1"½	40	134,5	184	21,4	67,5	98
S4051N39 - S4061N39 - S4151N39 - S4161N39	2"	50	157	194,5	25,7	78,5	98

Valvola a sfera a 3 vie con sfera a "T" con attuatore elettrico ON-OFF
(S4051 230V - S4061 24V) o a "L" (S4151 230V - S4161 24V).

3-way ball valve with **T-port** with electrical actuator ON-OFF
(S4051 230V - S4061 24V) to **L-port** (S4151 230V - S4161 24V).

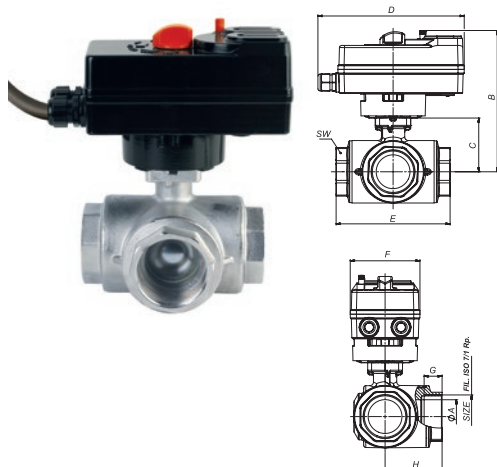
	ATTUATORE CON VALVOLA ACTUATOR WITH VALVE	SOLO ATTUATORE ACTUATOR ONLY							
SIZE		¼"	⅜"	½"	¾"	1"	1"¼	1"½	2"
CODICE CODE	S4051N	S2830P06	S2830P06	S2830P06	S2830P06	S2860P10	S2870P40	S2870P40	S2870P40
	S4061N	S2832P06	S2832P06	S2832P06	S2832P06	S2862P10	S2872P40	S2872P40	S2872P40
	S4151N	S2830P06	S2830P06	S2830P06	S2830P06	S2860P10	S2870P40	S2870P40	S2870P40
	S4161N	S2832P06	S2832P06	S2832P06	S2832P06	S2862P10	S2872P40	S2872P40	S2872P40

BALL O MATIC 3 WAY

VALVOLA A SFERA A 3 VIE SERIE PESANTE PER ATTUATORE
3 WAY BALL VALVE HEAVY SERIES FOR ACTUATOR

S5070 - S5071

BALL O MATIC 3 VIE/3-WAY
PROPORZIONALE / PROPORTIONAL



CARATTERISTICHE ATTUATORE

S5070 con sfera "T" 24V AC/DC
S5071 con sfera "L" 24V AC/DC

FEATURES OF THE ACTUATOR

S5070 with T-port 24V AC/DC
S5071 with L-port 24V AC/DC

IP 54 da 1/4" a 3/4"
IP 65 da 1" a 2"

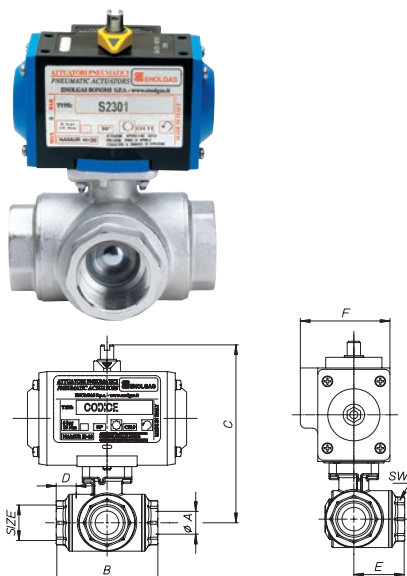
CODICE CODE	MISURA SIZE	øA	B	C	D	E	F	G	H	SW
S5070N32 - S5071N32	1/4"	8	113	38	100	64,5	72,5	15	32,5	25
S5070N33 - S5071N33	3/8"	10	113	38	100	64,5	72,5	15	32,5	25
S5070N34 - S5071N34	1/2"	15	113	38	100	32,5	72,5	15	32,5	25
S5070N35 - S5071N35	3/4"	20	117	42	100	76	72,5	16,3	38	31
S5070N36 - S5071N36	1"	25	164,5	46,5	201	97	96	19,1	48,5	38
S5070N37 - S5071N37	1 1/4"	32	181	61	201	118	96	21,4	59	55
S5070N38 - S5071N38	1 1/2"	40	183,5	63,5	201	134,5	96	21,4	67,5	55
S5070N39 - S5071N39	2"	50	194	74	201	157	96	25,7	78,5	67

Valvola a sfera a 3 vie con attuatore elettrico proporzionale con sfera a "T" o a "L".
3-way ball valve with propotional electric actuator with T-port or L-port.

	ATTUATORE CON VALVOLA ACTUATOR WITH VALVE	SOLO ATTUATORE ACTUATOR ONLY							
SIZE		1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
CODICE CODE	S5070N	S2940P06	S2940P06	S2940P06	S2940P06	S2940P40	S2940P40	S2940P40	S2940P40
	S5071N	S2940P06	S2940P06	S2940P06	S2940P06	S2940P40	S2940P40	S2940P40	S2940P40

S4301 - S4331 S4311 - S4321

BALL O MATIC 3 VIE/3-WAY



CARATTERISTICHE ATTUATORE

S4301 con sfera a T Tecno-polimero doppio effetto
S4311 con sfera a L Tecno-polimero doppio effetto
S4321 con sfera a T Tecno-polimero singolo effetto
S4331 con sfera a L Tecno-polimero singolo effetto

FEATURES OF THE ACTUATOR

S4301 with T-port Technopolymer double acting
S4311 with L-port Technopolymer double acting
S4321 with T-port Technopolymer single acting
S4331 with L-port Technopolymer single acting

CODICE CODE	MISURA SIZE	øA	B	C	D	E	F	SW
S4301N32 - S4311N32 - S4321N32 - S4331N32	1/4"	8	64,5	129	15	32,5	67	25
S4301N33 - S4311N33 - S4321N33 - S4331N33	3/8"	10	64,5	129	15	32,5	67	25
S4301N34 - S4311N34 - S4321N34 - S4331N34	1/2"	15	32,5	129	15	32,5	67	25
S4301N35 - S4311N35 - S4321N35 - S4331N35	3/4"	20	76	133	16,3	38	67	31
S4301N36 - S4311N36 - S4321N35 - S4331N35	1"	25	97	137,5	19,1	48,5	67	38
S4301N37 - S4311N37 - S4321N37 - S4331N37	1 1/4"	32	118	172,5	21,4	59	85	47
S4301N38 - S4311N38 - S4321N38 - S4331N38	1 1/2"	40	134,5	174,5	21,4	67,5	85	55
S4301N39 - S4311N39 - S4321N39 - S4331N39	2"	50	157	185	25,7	78,5	85	68

Valvola a sfera a 3 vie con attuatore pneumatico in tecnopolimero.
3-way ball valve with pneumatic actuator in technopolymer.

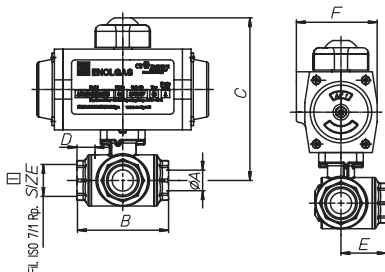
	ATTUATORE CON VALVOLA ACTUATOR WITH VALVE	SOLO ATTUATORE ACTUATOR ONLY							
SIZE		1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
CODICE CODE	S4301N	S2951P06	S2951P06	S2951P06	S2951P06	S2951P17	S2951P20	S2951P40	S2951P40
	S4311N	S2951P06	S2951P06	S2951P06	S2951P06	S2951P17	S2951P20	S2951P40	S2951P40
	S4321N	S2971P06	S2971P06	S2971P06	S2971P06	S2971P17	S2971P20	S2971P40	S2971P40
	S4331N	S2971P06	S2971P06	S2971P06	S2971P06	S2971P17	S2971P20	S2971P40	S2971P40

BALL O MATIC 3 WAY

VALVOLA A SFERA A 3 VIE SERIE PESANTE PER ATTUATORE
3 WAY BALL VALVE HEAVY SERIES FOR ACTUATOR

S4401 - S4431
S4411 - S4421

BALL O MATIC 3 VIE/3-WAY



CARATTERISTICHE ATTUATORE

S4401	con sfera a T	Alluminio doppio effetto
S4411	con sfera a L	Alluminio doppio effetto
S4421	con sfera a T	Alluminio singolo effetto
S4431	con sfera a L	Alluminio singolo effetto

FEATURES OF THE ACTUATOR

S4401	with T-port	Aluminium double acting
S4411	with L-port	Aluminium double acting
S4421	with T-port	Aluminium single acting
S4431	with L-port	Aluminium single acting

CODICE CODE	MISURA SIZE	øA	B	C	D	E	F	SW
S4401N32 - S4411N32 - S4421N32 - S4431N32	1/4"	8	64,5	125	15	32,5	60	25
S4401N33 - S4411N33 - S4421N33 - S4431N33	3/8"	10	64,5	125	15	32,5	60	25
S4401N34 - S4411N34 - S4421N34 - S4431N34	1/2"	15	32,5	125	15	32,5	60	25
S4401N35 - S4411N35 - S4421N35 - S4431N35	3/4"	20	76	129	16,3	38	60	31
S4401N36 - S4411N36 - S4421N36 - S4431N36	1"	25	97	133,5	19,1	48,5	60	38
S4401N37 - S4411N37 - S4421N37 - S4431N37	1 1/4"	32	118	164,25	21,4	59	73	47
S4401N38 - S4411N38 - S4421N38 - S4431N38	1 1/2"	40	134,5	166,5	21,4	67,5	73	55
S4401N39 - S4411N39 - S4421N39 - S4431N39	2"	50	157	177	25,7	78,5	73	68

Valvola a sfera a 3 vie con attuatore pneumatico in alluminio.
3-way ball valve with pneumatic actuator in aluminium.

	ATTUATORE CON VALVOLA ACTUATOR WITH VALVE	SOLO ATTUATORE ACTUATOR ONLY							
SIZE		1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
CODICE CODE	S4401N	S2951X06	S2951X06	S2951X06	S2951X06	S2951X17	S2951X20	S2951X20	S2951X40
	S4411N	S2951X06	S2951X06	S2951X06	S2951X06	S2951X17	S2951X20	S2951X20	S2951X40
	S4421N	S2971X06	S2971X06	S2971X06	S2971X06	S2971X17	S2971X20	S2971X20	S2971X40
	S4431N	S2971X06	S2971X06	S2971X06	S2971X06	S2971X17	S2971X20	S2971X20	S2971X40

