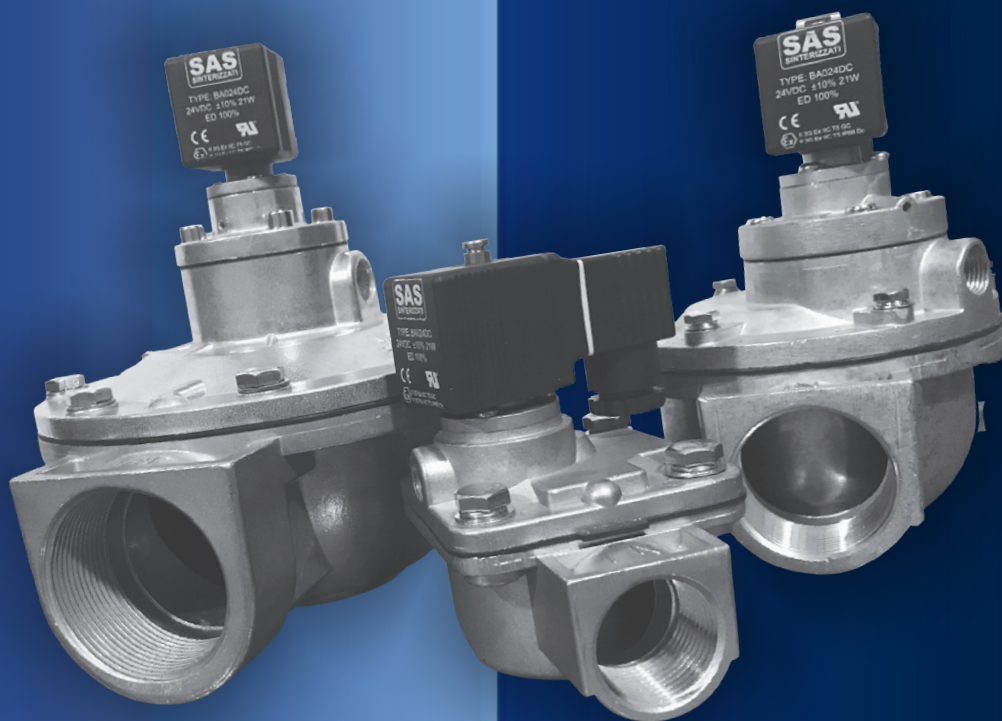




AUXILIARY
VALVES







SALA BOLOGNESE (BO) - ITALIA - *ITALY* - SINTERIZZATI - *SINTERED*



SALA BOLOGNESE (BO) - ITALIA - *ITALY* - PNEUMATICA - *PNEUMATIC*



SAULIEU - FRANCIA - *FRANCE*



CORFÙ - GRECIA - *GREECE*



SHANGHAI - CINA - *CHINA*

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SAS SINTERIZZATI

Dal 1978 produciamo componenti meccanici sinterizzati su disegno del Cliente e boccole sinterizzate in ferro ed in bronzo sia cilindriche che flangiate. La produzione comprende anche le bronzine autolubrificanti con tolleranze Fips, marchio rilevato negli anni novanta. Realizziamo inoltre una vasta gamma di accessori e componenti per la Pneumatica, commercializzati in oltre 70 nazioni sia direttamente che come prodotti OEM. Produciamo infine filtri sinterizzati su disegno, utilizzando il bronzo sferico, l'acciaio inossidabile Aisi 316L (in filo ed in polvere), la ceramica e la plastica porosa.

Since 1978 we have been producing sintered mechanical components based on the customer's design and sintered bushings in iron and bronze, both cylindrical and flanged. The production also includes self-lubricating bushings with Fips tolerances, a brand taken over in the nineties. We also produce a wide range of accessories and components for pneumatics, marketed in over 70 countries both directly and as OEM products. Finally, we produce customized sintered filters, using spherical bronze, Aisi 316L stainless steel (in wire and powder), ceramic and porous plastic.



RESA MERCE: Franco nostro magazzino - **IMBALLO:** 1% - **TRASPORTO:** Sempre a rischio del destinatario anche se la merce è venduta in porto franco. Si prega di voler sempre indicare sugli ordini il nominativo del proprio corriere. In mancanza di tale indicazione decliniamo ogni responsabilità per eventuali disagi. **MATERIALI RESI:** Non si accetta merce di ritorno senza nostra preventiva autorizzazione ed in ogni caso il reso dovrà avvenire in porto franco. **CONTESTAZIONI:** Non si accettano reclami 8 giorni dopo il ricevimento della merce - **PAGAMENTI:** Le condizioni di pagamento saranno quelle concordate ed indicate in fattura e sono vincolanti. Trascorre le scadenze convenute saranno conteggiati gli interessi di mora calcolati secondo il tasso bancario medio praticato alla data del pagamento - **FORO COMPETENTE:** Bologna - **RISERVA DI PROPRIETÀ:** La merce consegnata rimane di riservato dominio della fornitrice, fino all'avvenuto pagamento - **GARANZIE:** I nostri prodotti sono garantiti da polizza R.C. prodotti.



DELIVERY TERMS: ExW SAS Sinterizzati's Plant - **PACKING:** 1% - **TRANSPORT:** The risk of transport is carried by the customer, even if it has been agreed that we will take care of, organize or be otherwise involved in the transport. The Customer must always communicate the name of the Carrier. Without such indication we don't accept any liability in case of failures - **RETURNED PRODUCTS:** Subject to SAS's prior written authorization, non-complying products may be returned by Customer at its own expense - **COMPLAINTS:** Any hidden defects of the products must be reported by Customer within 8 days of their receipt - **TERMS OF PAYMENT:** The prices of the products shall be those stated in the corresponding Order Confirmation and Invoice. In case of failure by Customer to pay any amount due, SAS Sinterizzati Srl shall be entitled to calculate interests in arrears as per Legislative Decree - **JURISDICTION COURT:** Bologna - **PRODUCTS PROPERTY:** All goods remain the property of SAS Sinterizzati Srl until payment in full is received - **WARRANTY:** SAS products are guaranteed by insurance R.C.



CONDITIONS DE LIVRAISON: ExW SAS Sinterizzati - **EMBALLAGE:** 1% du montant de la facture - **TRANSPORT:** Le risque du transport est de la responsabilité du client. Le client doit toujours communiquer le nom du transporteur. Sans ces indications, nous dégageons toute responsabilité dans le cas de problème - **RETOUR DE PRODUITS:** Sans accord écrit de SAS Sinterizzati, tous les coûts concernant le retour de marchandise ne pourront être pris en charge par SAS Sinterizzati - **RECLAMATIONS:** Toute non-conformité de produit devra être communiquée sous un délai de 8 jours maximum à réception des marchandises pour que la réclamation puisse être prise en compte - **CONDITIONS DE PAIEMENT:** Les prix et délais de paiement des produits sont ceux qui sont précisés sur nos propositions, confirmation de commande et facturation. Toute facture dont le paiement ne serait pas effectué à la date d'échéance donnera lieu à des calculs d'intérêt suivant décret législatif - **CLAUDE ATTRIBUTIVE DE JURIDICTION:** En cas de différend, le Tribunal de Bologne est seul compétent - **RÉSERVE DE PROPRIÉTÉ:** Le transfert de propriété des marchandises livrées est différé jusqu'au paiement intégral du prix correspondant - **GARANTIE:** Les produits de SAS Sinterizzati sont garantis par une assurance de responsabilité civile.



LIEFERBEDINGUNGEN: ExW SAS Sinterizzati's Werk - **VERPACKUNG:** 1% - **TRANSPORT:** Das Transportrisiko wird vom Kunden getragen, auch wenn es vereinbart wurde, wir kümmern uns um, organisieren oder werden anderweitig am Transport beteiligt. Der Kunde muss immer den Namen des Luftfrachtführers mitteilen. Ohne solche Angabe übernehmen wir keine Haftung bei Ausfällen - **RÜCKGABEPRODUKTE:** Vorbehaltlich der vorherigen schriftlichen Genehmigung von SAS können nicht abweichende Produkte vom Kunden auf eigene Kosten zurückgesandt werden - **BESCHWERDEN:** Alle verborgenen Mängel der Produkte sind zu melden vom Kunden innerhalb von 8 Tagen nach deren Eingang - **ZAHLUNGSBEDINGUNGEN:** Die Preise der Produkte sind diejenigen, die in der entsprechenden Widerrufserklärung angegeben sind. SAS Sinterizzati Srl ist berechtigt, die Verzugszinsen nach dem Gesetzdekret zu berechnen - **GERICHTSSTANDSGERICHT:** Bologna - **PRODUKTE EIGENTUM:** Alle Waren bleiben Eigentum von SAS Sinterizzati Srl bis zur vollständigen Bezahlung erhalten - **WAIRRANTY:** SAS Produkte werden durch Versicherung RC garantiert



ENTREGA DE LA MERCANCÍA: Disponible para el adquirente en nuestro almacén - **EMBALAJE:** 1% - **TRANSPORTE:** Es siempre a riesgo del receptor/adquirente aún cuando la mercancía es vendida en puerto gratuito. Se pide de indicar siempre en los pedidos el nombre de vuestra empresa de transporte/transportista. En ausencia de tal indicación, no aceptamos ninguna responsabilidad por cualquier malentendido o error - **MERCANCÍA DEVUELTA:** No aceptamos devolución de mercancía sin nuestra autorización previa y en cualquier caso la devolución deberá ser hecha a cargo del adquirente. **CONTESTACIONES:** No aceptamos quejas/reclamos 8 días después de la recepción de la mercancía - **PAGOS:** Las condiciones de pago serán las acordadas e indicadas en la factura y son vinculantes. Pasados los plazos acordados, serán aplicados los intereses de demora calculados según el interés bancario promedio aplicado en la fecha de pago - **JURISDICCIÓN:** Bolonia - **RESERVA DE PROPIEDAD:** La mercancía suministrada sigue siendo de nuestra propiedad hasta que el adquirente haya realizado el pago completo de todo - **GARANCIAS:** Nuestros productos están asegurados por la póliza R.C. Productos.



ENTREGA: Em nosso depósito - **EMBALAGEM:** 1% - **TRANSPORTE:** Todos os riscos são responsabilidades do destinatário inclusive quando a entrega for em franco de porte. Indicar sempre o nome do transportador no pedido de compra. Na falta de tal indicação não nos responsabilizamos por qualquer transtorno - **DEVOLUÇÕES:** Não serão aceitas devoluções de mercadorias sem a nossa prévia concordância e em todos os casos tais procedimentos serão custeados pelo emiteente - **RECLAMAÇÕES:** Todas as reclamações deverão ser apresentadas em até 8 dias após a entrega da mercadoria - **CONDIÇÕES DE PAGAMENTO:** As condições de pagamento serão previamente acordadas e indicadas no pedido de compra sendo as mesmas indispensáveis. Findo o prazo limite de vencimento estipulado, reservamo-nos o direito de aplicar juros bancários até a regularização do pagamento - **FORO COMPETENTE:** Bolonha - **RESERVA DE PROPRIEDADE:** Até a completa finalização dos pagamentos em aberto, reservamo-nos o direito de propriedade da mercadoria fornecida - **GARANTIA:** Nossos produtos são assegurados por uma empresa de responsabilidade civil.



ÅTERSTÄLL VAROR: Ex-verk från vårt lager - **FÖRPACKNING:** 1% - **TRANSPORT:** Alltid på mottagarens risk även om varorna säljs. Vill du alltid ange namnet på din kurir vid beställningar. I avsaknad av denna indikation, avisar vi något ansvar för eventuella fel. **ÅTERBETALAT MATERIAL:** Återlämnade varor accepteras inte utan vårt förhandsgodkännande och i vilket fall som helst måste returen betalas. Tvister: klagomål accepteras inte 8 dagar efter mottagandet av varorna - **BETALNINGAR:** Betalningsvillkoren är de som avtalats och anges på fakturan och är bindande. När de överenskomna tidsfristerna har gått, beräknas standarddräntan beräknas enligt den genomsnittliga bankräntan som tillämpades på betalningsdatumet - **JURISDIKTION:** Bologna - **RESERVE AV ÄGARE:** Levererade varor förblir leverantörens reserverade domän tills betalning har gjorts - **GARANTIER:** I våra produkter garanteras av en RC-policy produkter.



LEVERINGSBETINGELSER: EXW SAS - **PAKKEOMKOSTNINGER:** 1% - **FORSENDELSE:** Risikoen for transport er pålagt modtageren af varen Selv om afsender er involveret i forsendelsen. Kunden skal altid informere om transportøren som skal bruges, uden denne Acceptere vi ikke klager såfremt noget går galt - **RETUREREDE VARE:** Omkostninger ved tilbage levering, tilfaldet køber - **KLAGER:** ved fejl og mangler skal der informeres skriftligt inden 8 dage fra modtagelse af varen - **BETALINGSBETINGELSER:** Priserne er ifølge fremsendte ordrebekræftelser og fakturaer. Såfremt betaling ikke bliver modtaget i henhold til dette, vil SAS sende faktura på renter og omkostninger med dette - **LOV AFGØRELSE:** Bologna - **EJENDOMSRET AF VARENE:** Indtil fuld betaling er modtaget er ejendomsretten af varen SAS - **GARANTI:** Varen er forsikret under R.C.



交货条款: SAS 工厂交货 - 包装: 1% - 运输: 运输风险由客户承担, 即使运输是我们同意照看或得组织或者以其它方式参与客户必须一直保持与承运人的联系, 否则如果运输失败, 我们不承担任何责任。 - 退回产品: 经SAS事先书面确认的, 不符合规定的产品可由客户自费退回 - 投诉: 产品的任何隐藏缺陷必须在收到后8天内由客户报告 - 付款条款: 产品的货款应为相应订单和发票确认的价格。如客户未能支付任何款项, SAS Sinterizzati Srl有权根据法令计算拖欠的利息。管辖法院: 博洛尼亚 - 产品财产: 所有货物仍然是SAS Sinterizzati Srl的财产直到收到全额付款 - 保证: SAS产品由保险R.C.



Στις εγκαταστάσεις μας ΣΥΣΚΕΥΑΣΙΑ: 1% - **ΜΕΤΑΦΟΡΑ:** Πάντα σε κίνδυνο του παραλήπτη, ακόμη και αν έχει συμφωνηθεί ότι θα τα φροντίσουμε, θα οργανώσουμε ή θα συμμετάσχουμε με άλλο τρόπο στη μεταφορά. Ο Πελάτης πρέπει πάντα να γνωστοποιεί το όνομα του Μεταφορέα. Ελλείψει τέτοιας ένδειξης, παραβλέπουμε οποιαδήποτε ευθύνη για τυχόν ασφάλματα. **ΕΠΙΣΤΡΟΦΕΣ ΥΛΙΚΩΝ:** Δεν δεχόμαστε τα εμπορεύματα επιστροφής χωρίς την προηγούμενη εξουσιοδότησή μας και σε κάθε περίπτωση η επιστροφή πρέπει να γίνει από τον Πελάτη με δική του έξοδα. **ΠΑΡΑΛΙΟΝΑ:** Δεν δεχόμαστε παραλίονα 8 ημέρες μετά την παραλαβή των αγαθών. **ΠΛΗΡΩΜΕΣ:** Οι όροι πληρωμής θα είναι εκείνοι που έχουν συμφωνηθεί και αναγράφονται στο τιμολόγιο και είναι δεσμευτικοί. Μετά τις συμφωνημένες προθεσμίες θα υπολογίζονται τόκοι υπερημερίας που υπολογίζονται με βάση το μέσο τραπεζικό επιτόκιο κρώσης κατά την ημερομηνία της πληρωμής. **ΔΙΚΑΙΟΔΟΣΙΑ:** Δικαιοσύνη της Ηπείρου. **ΚΡΑΤΗΣΗ ΙΔΙΟΚΤΗΣΙΑΣ:** Όλα τα αγαθά παραμένουν στην ιδιοκτησία του προμηθευτή μέχρι την πλήρη εξόφληση. **ΕΓΓΥΗΣΕΙΣ:** Ό Τα προϊόντα μας είναι εγγυημένα από την ασφάλεια R.C.



- SALA BOLOGNESE (BO)
- SAULIEU

RETE VENDITA PAESI EXTRA EUROPEI
EXTRA EUROPEAN COUNTRIES SALES NETWORK

ARGENTINA
AUSTRALIA
CANADA
CILE

CINA
GIAPPONE
GIORDANIA
INDIA

ISRAELE
MALESIA
MAROCCO
MESSICO

NUOVA ZELANDA
PORTOGALLO
SINGAPORE
SUD AFRICA

TAILANDIA
TAIWAN
U.S.A.
VENEZUELA

ATEX



ATEX

SILENZIATORI



SILENCERS

REGOLATORI



REGULATORS

RACCORDI



FITTINGS

ACCESSORI



ACCESSORIES

FILTRI PER COLLA



GLUE FILTERS

TUBI E SPIRALI BASIC



TUBES BASIC

TUBI E SPIRALI
PROFESSIONAL



TUBES PROFESSIONAL

VIBRATORI PNEUMATICI



PNEUMATIC VIBRATORS

GIUNTI ROTANTI



ROTARY JOINTS

LAME D'ARIA



MODULAR AIR WINGS®

TUBI REFRIGERATORI
PNEUMATICI



ICE VALVE
PANEL COOLER

ATTUATORI PNEUMATICI



ACTUATORS

VALVOLE A SFERA
E FARFALLA



VALVES

VALVOLE AUSILIARIE



AUXILIARY VALVES

ELETTROVALVOLE



SOLENOID VALVES

ISOLE DI VALVOLE



ISLES OF VALVES

CILINDRI



CYLINDERS

CILINDRI ELETTRICI



ELECTRIC CYLINDERS

HANDLING



HANDLING

FISSAGGI



CYLINDER'S
MOUNTING PARTS

TRATTAMENTO ARIA



AIR TREATMENT
A-D-X - TYPE

VACUUM



VACUUM

MOTORI AD ARIA



AIR MOTORS

PIASTRE DI MASSA



GROUND PLATES

EXTRA



EXTRA

FILTRI



FILTERS

BOCCOLE SINTERIZZATE



SINTERED BEARINGS

BOCCOLE KU
AUTOLUBRIFICANTI



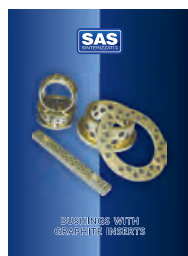
SLIDING BEARINGS

BOCCOLE
AUTOLUBRIFICANTI FIPS



FIPS® SINTERED
BEARINGS

BOCCOLE CON INSERTI
IN GRAFITE



BUSHINGS WITH
GRAPHITE INSERTS

SPINE E RULLINI



PINS AND ROLLERS

ACCIAIO INOX



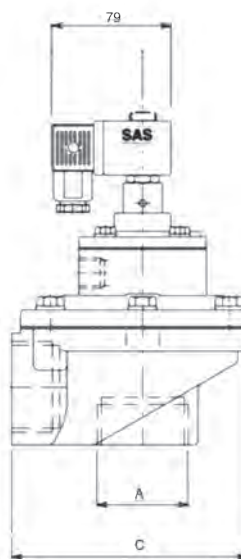
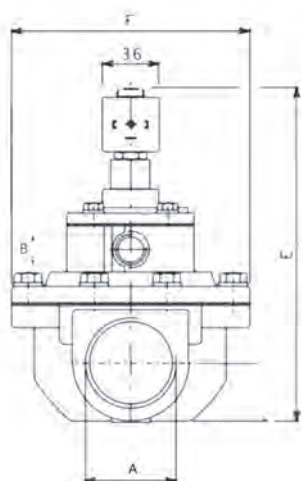
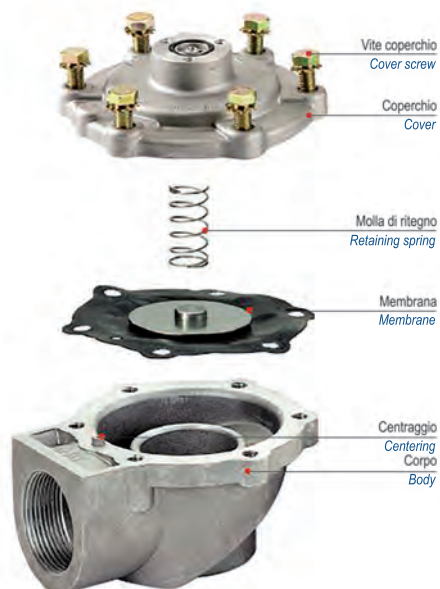
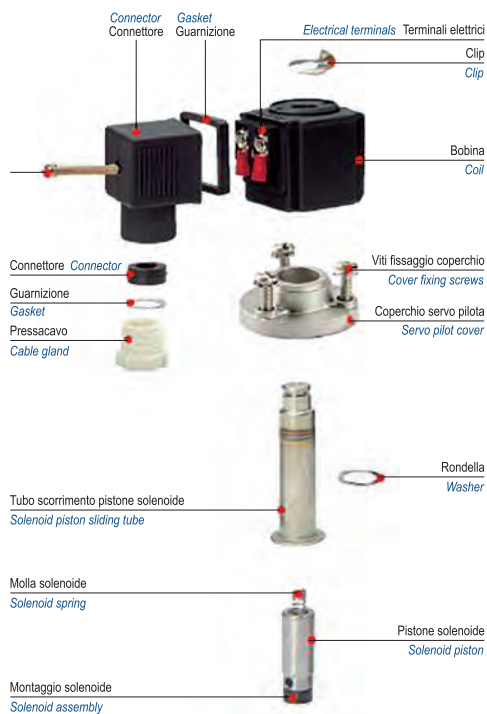
STAINLESS STEEL



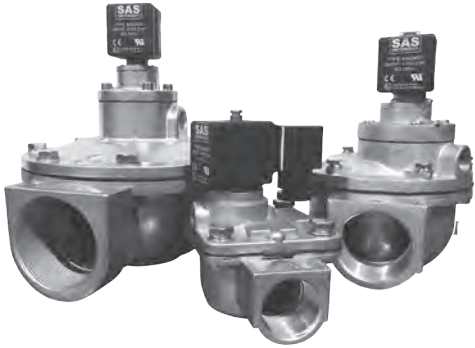
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To view and download the PDFs of the SAS Technical Files:

www.sassinterizzati.com/download

PULSE VALVE - *PULSE VALVE*



PULSE VALVE



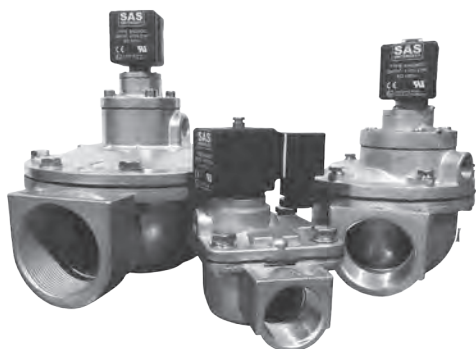
CARATTERISTICHE

Portate elevate
Pressione di commutazione 3 Bar
A richiesta bassa pressione da 0,15 a 2 Bar
Corpo in alluminio
Membrana in NBR
A richiesta FKM o altri materiali
Molle in acciaio Inox

CARATTERISTICHE TECNICHE							
COD	PRESSIONE DI SERVIZIO	DURATA MEMBRANA	POTENZA	VOLTAGGIO	TEMPERATURA DI SERVIZIO	DN	FLUIDO
PUL 15	3 - 8 BAR	> 1.000.000 CICLI	DC 21 W A RICHIESTA DC 12 W AC 25 VA	AC 110 V AC 220 V DC 24 V	-5 /+55 °C	15	ARIA COMPRESSA PULITA
PUL 20	3 - 8 BAR	> 1.000.000 CICLI			-5 /+55 °C	20	
PUL 25	3 - 8 BAR	> 1.000.000 CICLI			-5 /+55 °C	25	
PUL 40	3 - 8 BAR	> 1.000.000 CICLI			-5 /+55 °C	40	
PUL 50	3 - 8 BAR	> 1.000.000 CICLI			-5 /+55 °C	50	
PUL 65	3 - 8 BAR	> 1.000.000 CICLI			-5 /+55 °C	62	
PUL 80	3 - 8 BAR	> 1.000.000 CICLI			-5 /+55 °C	76	
PUL 100	3 - 8 BAR	> 1.000.000 CICLI			-5 /+55 °C	100	

COD	DN	A	B	C	E	F
PUL 15	15	G 1/2	G 1/4	102	124	92
PUL 20	20	G 3/4	G 1/4	102	124	92
PUL 25	25	G 1	G 1/4	104	124	83,5
PUL 40	40	G 1 1/2	G 3/8	121	142	111,5
PUL 50	50	G 2	G 3/8	205	184	202
PUL 65	62	G 2 1/2	G 3/8	210	185	222
PUL 80	76	G 3	G 1/2	230	200	245
PUL 100	100	G 4	G 1/2	286	221	356

PULSE VALVE



FEATURES

Heavy courses
 Switching pressure 3 Bar
 On request low pressure from 0.15 to 2 Bar
 Aluminum body
 NBR membrane
 On request FKM or other materials
 Stainless steel springs

TECHNICAL FEATURES

COD	SERVICE PRESSURE	DURATION MEMBRANE	POWER	VOLTAGE	SERVICE TEMPERATURE	DN	FLUID
PUL 15	3 - 8 BAR	> 1.000.000 CYCLES	DC 21W ON REQUEST DC 12W AC 25 VA	AC 110 V AC 220 V DC 24 V	-5/+55 °C	15	AIR CLEAN COMPRESS
PUL 20	3 - 8 BAR	> 1.000.000 CYCLES			-5/+55 °C	20	
PUL 25	3 - 8 BAR	> 1.000.000 CYCLES			-5/+55 °C	25	
PUL 40	3 - 8 BAR	> 1.000.000 CYCLES			-5/+55 °C	40	
PUL 50	3 - 8 BAR	> 1.000.000 CYCLES			-5/+55 °C	50	
PUL 65	3 - 8 BAR	> 1.000.000 CYCLES			-5/+55 °C	62	
PUL 80	3 - 8 BAR	> 1.000.000 CYCLES			-5/+55 °C	76	
PUL 100	3 - 8 BAR	> 1.000.000 CYCLES			-5/+55 °C	100	

COD	DN	A	B	C	E	F
PUL 15	15	G 1/2	G 1/4	102	124	92
PUL 20	20	G 3/4	G 1/4	102	124	92
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PUL 40	40	G 1 1/2	G 3/8	121	142	111,5
PUL 50	50	G 2	G 3/8	205	184	202
PUL 65	62	G 2 1/2	G 3/8	210	185	222
PUL 80	76	G 3	G 1/2	230	200	245
PUL 100	100	G 4	G 1/2	286	221	356

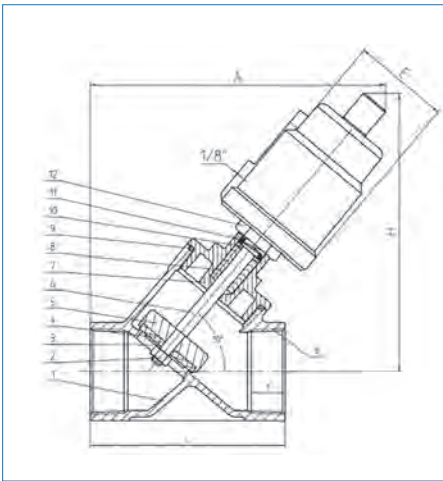
VALVOLE A 45°



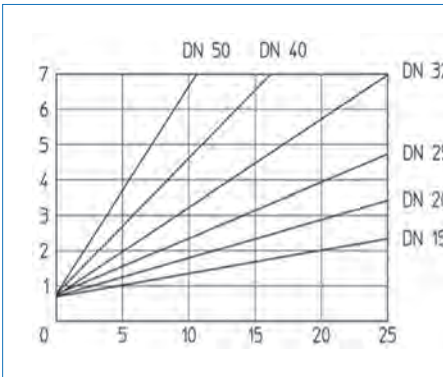
AISI 316 L

CARATTERISTICHE

Design compatto, portate elevate.
 Indicatore visivo della posizione.
 Temperatura da -10° a +180 °C.
 Pressione di esercizio fino a 16 bar.
 Viscosità fluido: max. 600 mm²/s (600 cSt, 80° E, 2700 SSU).
 Chiusura ammortizzata per protezione da colpi d'ariete (fluido sotto la sede).
 Attuatore in acciaio Inox per una resistenza eccezionale in applicazioni aggressive o in presenza di vapore.
 Le valvole soddisfano la direttiva sulle apparecchiature in pressione 97/23/CE.
 Tenuta ermetica e lunga durata di servizio.



CARATTERISTICHE TECNICHE		
NUMERO	DESCRIZIONE	MATERIALE
12	ATTUATORE ACCIAIO INOX	316 L
11	MOLLA	60Si2Mn
10	PATTINO METALLICO	316 L
9	GUARNIZIONI CORPO	PTFE
8	GUARNIZIONI STELO	PTFE
7	CORPO VALVOLA FILETTATO	CF8/CF8M
6	STELO	316 L
5	VALVOLA	316 L
4	DISTANZIALE	PTFE
3	MASCHERA	316 L
2	DADO	316 L
1	CORPO	CF8/CF8M



COD	DN	L	T	D	A	H	E	ATTUATORE
ANGLE-10	10	68	11	3/8	127,5	136	52	Ø 40
ANGLE-15	15	68	11	1/2	133	126	62	Ø 50
ANGLE-20	20	75	14	3/4	137	131	62	Ø 50
ANGLE-25	25	90	15	1	174	165	62	Ø 50
ANGLE-32	32	115	17,5	1 1/4	188	175	76	Ø 63
ANGLE-40	40	115	17,5	1 1/2	190	178	76	Ø 63
ANGLE-50	50	135	20	2	215	225	76	Ø 63
ANGLE-65	65	185	30	2 1/2	252	280	96	Ø 80
ANGLE-80	80	220	33	3	280	320	114	Ø 100
ANGLE-100	100	235	33	4	300	350	114	Ø 100

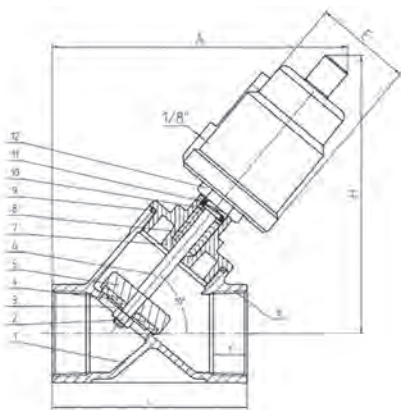
45° VALVES



AISI 316 L

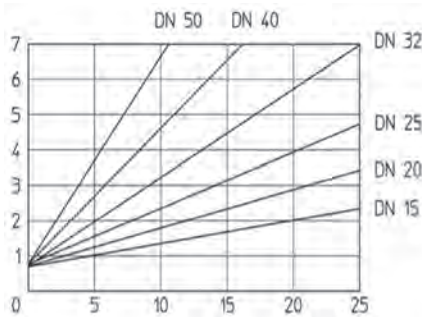
FEATURES

Compact design, high flow rates.
Visual location indicator.
Temperature from -10° to +180°C.
Operating pressure up to 16 bar.
Fluid viscosity: max. 600 mm²/s (600 cSt, 80° E, 2700 SSU).
Cushioned closing for protection against water hammer (fluid under seat).
Stainless steel actuator for exceptional strength in aggressive applications or in the presence of steam.
The valves comply with the equipment directive under pressure 97/23/CE.
Airtight seal and long service life.



TECHNICAL FEATURES

NUMBER	DESCRIPTION	MATERIAL
12	STAINLESS STEEL ACTUATOR	316 L
11	SPRING	60Si2Mn
10	METALLIC SHOE	316 L
9	BODY SEALS	PTFE
8	ROD SEALS	PTFE
7	THREADED VALVE BODY	CF8/CF8M
6	STEM	316 L
5	VALVE	316 L
4	SPACER	PTFE
3	MASK	316 L
2	NUT	316 L
1	BODY	CF8/CF8M



COD	DN	L	T	D	A	H	E	ACTUATOR
ANGLE-10	10	68	11	3/8	127,5	136	52	Ø 40
ANGLE-15	15	68	11	1/2	133	126	62	Ø 50
ANGLE-20	20	75	14	3/4	137	131	62	Ø 50
ANGLE-25	25	90	15	1	174	165	62	Ø 50
ANGLE-32	32	115	17,5	1 1/4	188	175	76	Ø 63
ANGLE-40	40	115	17,5	1 1/2	190	178	76	Ø 63
ANGLE-50	50	135	20	2	215	225	76	Ø 63
ANGLE-65	65	185	30	2 1/2	252	280	96	Ø 80
ANGLE-80	80	220	33	3	280	320	114	Ø 100
ANGLE-100	100	235	33	4	300	350	114	Ø 100



SENSORE

A

1/8"

H

12

11

10

9

8

7

6

5

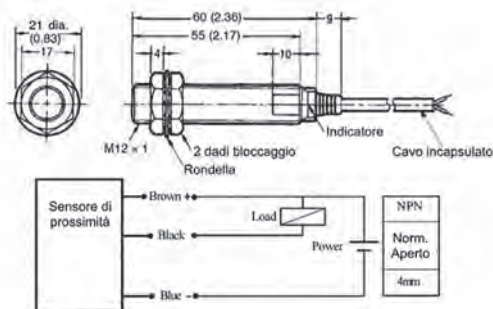
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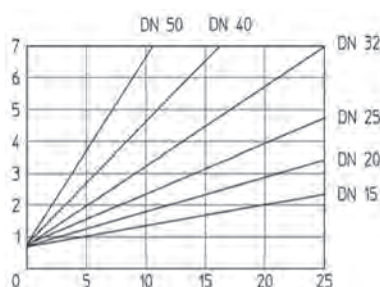
2

1

NUMERO	DESCRIZIONE	MATERIALE
12	ATTUATORE ACCIAIO INOX	316 L
11	MOLLA	60Si2Mn
10	PATTINO METALLICO	316 L
9	GUARNIZIONI CORPO	PTFE
8	GUARNIZIONI STELO	PTFE
7	CORPO VALVOLA FILETTATO	CF8/CF8M
6	STELO	316 L
5	VALVOLA	316 L
4	DISTANZIALE	PTFE
3	MASCHERA	316 L
2	DADO	316 L
1	CORPO	CF8/CF8M



MODELLO	LJ123-4-Z/BX
TIPOLOGIA	SENSORE INDUTTIVO
TIPO FILO	TRE FILI (MARRONE, BLU, NERO)
USCITA	NPN NO
DISTANZA DI RILEVAMENTO	4 MM
TENSIONE DI ALIMENTAZIONE	DC 6-36 V
CORRENTE IN USCITA	300 mA
RILEVAMENTO OGGETTI	FE
LUNGHEZZA CAVO	1,1 MT.
MATERIALE	ABS, METALLO



COD	DN	L	T	D	A	H	E	ATTUATORE
ANGLE-10	10	68	11	3/8	127,5	136	52	Ø 40
ANGLE-15	15	68	11	1/2	133	126	62	Ø 50
ANGLE-20	20	75	14	3/4	137	131	62	Ø 50
ANGLE-25	25	90	15	1	174	165	62	Ø 50
ANGLE-32	32	115	17,5	1 1/4	188	175	76	Ø 63
ANGLE-40	40	115	17,5	1 1/2	190	178	76	Ø 63
ANGLE-50	50	135	20	2	215	225	76	Ø 63
ANGLE-65	65	185	30	2 1/2	252	280	96	Ø 80
ANGLE-80	80	220	33	3	280	320	114	Ø 100
ANGLE-100	100	235	33	4	300	350	114	Ø 100

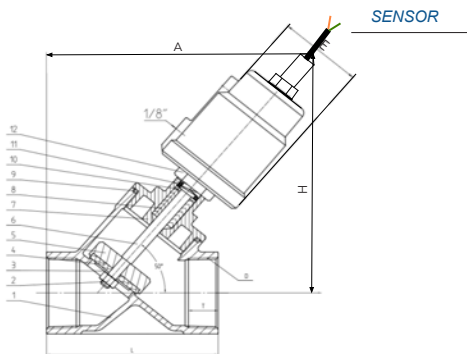
45° F VALVES (WITH PROXIMITY SENSOR)



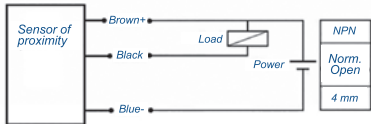
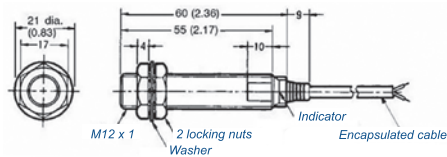
AISI 316 L



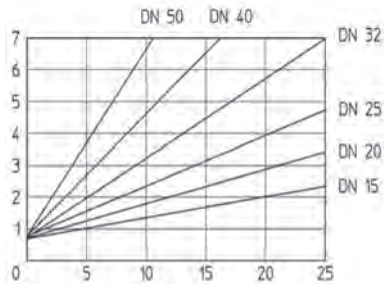
SENSOR



TECHNICAL FEATURES		
NUMBER	DESCRIPTION	MATERIAL
12	STAINLESS STEEL ACTUATOR	316 L
11	SPRING	60Si2Mn
10	METALLIC SHOE	316 L
9	BODY SEALS	PTFE
8	ROD SEALS	PTFE
7	THREADED VALVE BODY	CF8/CF8M
6	STEM	316 L
5	VALVE	316 L
4	SPACER	PTFE
3	MASK	316 L
2	NUT	316 L
1	BODY	CF8/CF8M



SENSOR TECHNICAL FEATURES	
MODEL	LJ123-4-Z/BX
TYPE	INDUCTIVE SENSOR
WIRE TYPE	THREE WIRES (BROWN, BLUE, BLACK)
EXIT	NPN NO
DETECTION DISTANCE	4MM
SUPPLY VOLTAGE	DC 6-36V
OUTPUT CURRENT	300mA
OBJECT DETECTION	FE extension
CABLE LENGTH	1.1 MT.
MATERIAL	ABS, METAL



COD	DN	L	T	D	A	H	E	ACTUATOR
ANGLE-10	10	68	11	3/8	127,5	136	52	Ø 40
ANGLE-15	15	68	11	1/2	133	126	62	Ø 50
ANGLE-20	20	75	14	3/4	137	131	62	Ø 50
ANGLE-25	25	90	15	1	174	165	62	Ø 50
ANGLE-32	32	115	17,5	1 1/4	188	175	76	Ø 63
ANGLE-40	40	115	17,5	1 1/2	190	178	76	Ø 63
ANGLE-50	50	135	20	2	215	225	76	Ø 63
ANGLE-65	65	185	30	2 1/2	252	280	96	Ø 80
ANGLE-80	80	220	33	3	280	320	114	Ø 100
ANGLE-100	100	235	33	4	300	350	114	Ø 100

DRAIN VALVE



PRINCIPIO DI FUNZIONAMENTO

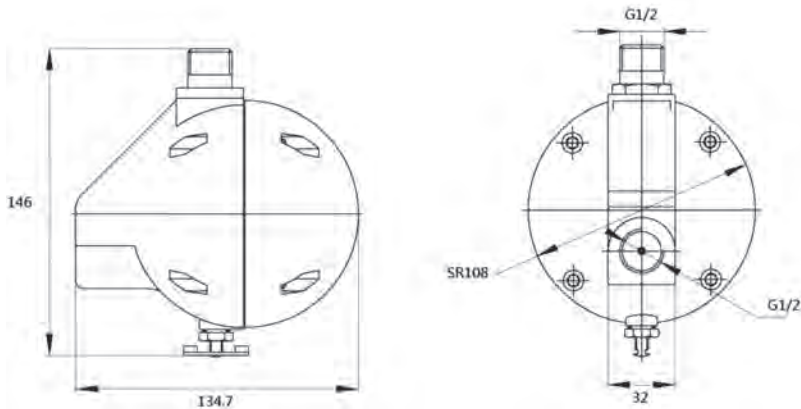
La Drain Valve della SAS è stata realizzata per lo scarico completamente automatico della condensa di fluidi non aggressivi nel sistema di aria compressa. L'unità può essere installata come scarico esterno su qualsiasi applicazione. La condensa si accumula nel serbatoio di alluminio che, quando si riempie, aziona il galleggiante scaricando il liquido senza perdite d'aria.

CARATTERISTICHE TECNICHE

CONNESSIONI FILETTATE	G 1/2"
GUARNIZIONI	NBR
FLUIDO	ARIA COMPRESSA / ACQUA
CAPACITÀ DI SCARICO	167 L/H
PRESSIONE DI SERVIZIO	0 ÷ 16 BAR
TEMPERATURA DI SERVIZIO	-10° ÷ 80 °
FUNZIONAMENTO	LEVA GALLEGGIANTE
PRESSIONE MASSIMA	20 BAR
CORPO VALVOLA	ALLUMINIO

COD

DRAIN



DRAIN VALVE

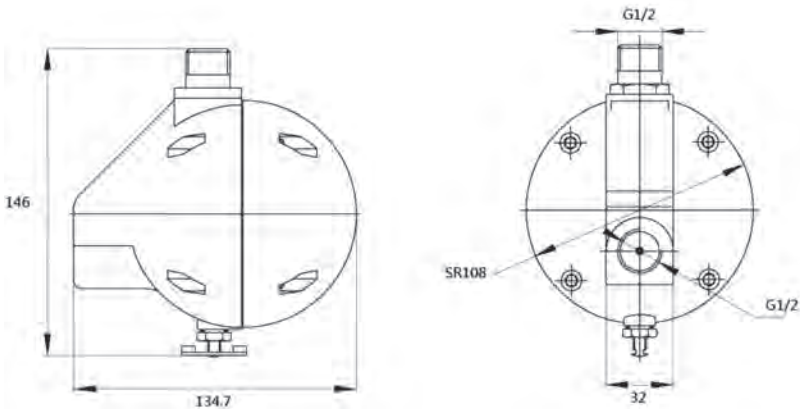


PRINCIPLE OF OPERATION

The Drain Valve from SAS was developed for the fully automatic drainage of the condensate of non-aggressive media in the compressed air system. The unit can be installed as an external exhaust on any application. Condensate accumulates in the aluminum tank which, when filled, activates the float discharging the liquid without air loss.

TECHNICAL FEATURES	
THREADED CONNECTIONS	G 1/2"
GASKETS	NBR
FLUID	COMPRESSED AIR / WATER
DISCHARGE CAPACITY	167 L/H
SERVICE PRESSURE	0 ÷ 16 BAR
SERVICE TEMPERATURE	-10° ÷ 80°
OPERATION	FLOATING LEVER
MAX PRESSURE	20 BARS
VALVE BODY	ALUMINUM

COD
DRAIN



DRAIN VALVE TEMPORIZZATA

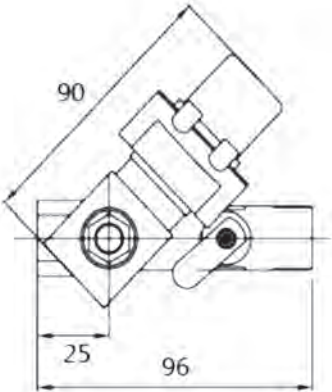
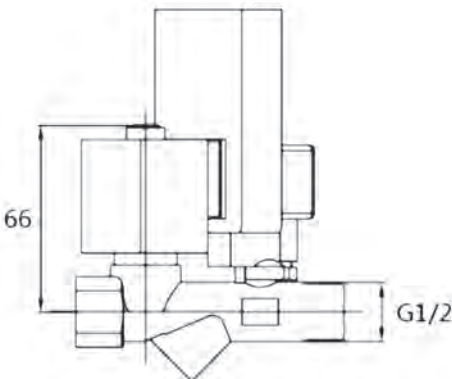


La valvola di scarico della condensa temporizzata della SAS DRAIN-T, permette di impostare un tempo predefinito di intervento rendendo il processo di purificazione del sistema completamente automatico.

CARATTERISTICHE TECNICHE

VERSIONE	NORMALMENTE CHIUSA
PASSAGGIO	3,5 MM
VOLTAGGIO	AC/DA 24 ÷ 240 V ± 10%
PRESSIONE DI SERVIZIO	0 ÷ 16 BAR
TEMPERATURA DI SERVIZIO	0 ± 80 °C
CORPO VALVOLA	OTTONE
GUARNIZIONI	NBR / FKM
CLASSE ISOLAMENTO	IP 65

COD
DRAIN-T



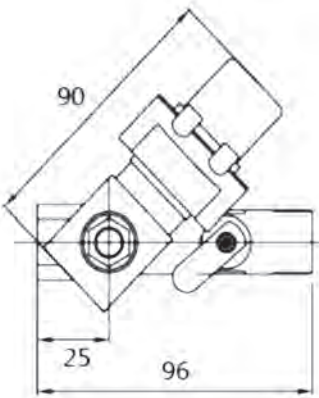
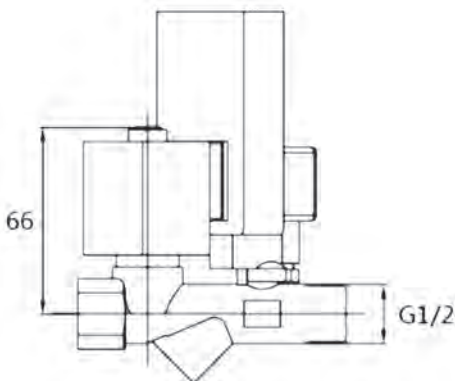
TIMED DRAIN VALVE



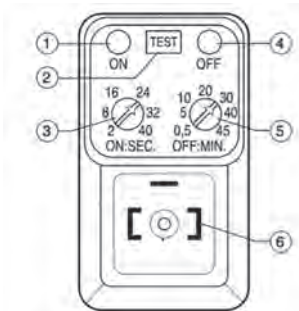
The SAS DRAIN-T timed condensate drain valve allows you to set a predefined intervention time, making the system purification process completely automatic.

TECHNICAL FEATURES	
VERSION	NORMALLY CLOSED
RIDE	3.5MM
VOLTAGE	AC/DA 24 ÷ 240V ± 10%
SERVICE PRESSURE	0 ÷ 16 BAR
SERVICE TEMPERATURE	0 ± 80°C
VALVE BODY	BRASS
GASKETS	NBR / FKM
INSULATION CLASS	IP65

COD
DRAIN-T



TC-M TEMPORIZZATORE MANUALE



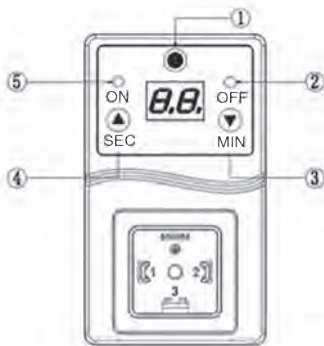
- 1 Segnale accensione valvola
- 2 Test
- 3 Regolazione periodo di accensione
- 4 Segnale spegnimento valvola
- 5 Regolazione periodo di spegnimento
- 6 Pin ISO 4400

CARATTERISTICHE TECNICHE				
VOLTAGGIO	CONSUMO	POTENZA	PROTEZIONE	CONNETTORE ELETTRICO
da 24 a 240 V 50/69 Hz	4 mA Max	1 Amp Max	IP 65	DIN 43650
da 24 a 240 V DC				

COD

TC-M

TC-D TEMPORIZZATORE DIGITALE



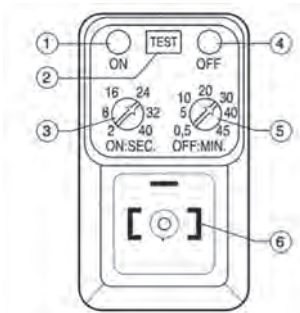
- 1 Test
- 2 Segnale spegnimento
- 3 Regolazione min.
- 4 Regolazione sec
- 5 Segnale accensione

CARATTERISTICHE TECNICHE				
VOLTAGGIO	CONSUMO	POTENZA	PROTEZIONE	CONNETTORE ELETTRICO
da 24 a 240 V 50/69 Hz	4 mA Max	1 Amp Max	IP 65	DIN 43650
da 24 a 240 V DC				

COD

TC-D

TC-M MANUAL TIMER



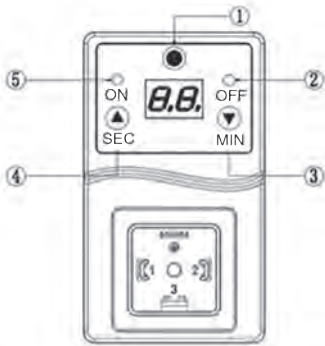
- 1 Ignition signal valve
- 2 Test
- 3 Period adjustment ignition
- 4 Shutdown signal valve
- 5 Period adjustment shutdown
- 6-pin ISO 4400

TECHNICAL FEATURES				
VOLTAGE	CONSUMPTION	POWER	PROTECTION	CONNECTOR ELECTRIC
24 to 240V 50/69Hz	4 mA Max	1 Amp Max	IP 65	DIN 43650
24 to 240V DC				

COD

TC-M

TC-D DIGITAL TIMER



- 1 Test
- 2 Shutdown signal
- 3 Min. adjustment
- 4 Adjustment sec
- 5 Ignition signal

TECHNICAL FEATURES				
VOLTAGE	CONSUMPTION	POWER	PROTECTION	CONNECTOR ELECTRIC
24 to 240V 50/69 Hz	4 mA Max	1 Amp Max	IP 65	DIN 43650
24 to 240V DC				

COD

TC-D

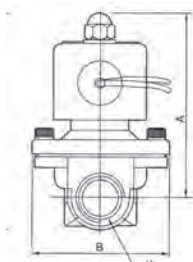
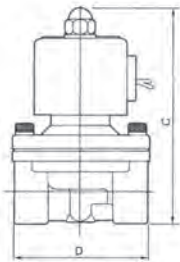
VALVOLE IN-LINE

PT 1/4"
PT 3/8"
PT 1/2"
PT 3/4"
PT 1"



PT 1" 1/4
PT 1" 1/2
PT 2"

MATERIALE: OTTONE NON NICHELATO - **DISPONIBILI A RICHIESTA IN AISI 316 L**



DIMENSIONI

COD	A	B	C	D	K
2W 160 - 06					
2W 160 - 08	93	56	106	69	PT 1/4"
2W 160 - 10	93	56	106	69	PT 3/8"
2W 160 - 15	93	56	106	69	PT 1/2"
2W 200 - 20	100	56	117	73	PT 3/4"
2W 250 - 25	104	78	125	99	PT 1"
2W 350 - 35	141	93	172	124	PT 1 1/4"
2W 400 - 40	141	93	172	124	PT 1 1/2"
2W 500 - 50	157	124	195	172	PT 2"

PARAMETRI

COD	FLUIDO	VERSIONE	TIPO	ORIFIZIO (mm)	CV VALORE	CONNESSIONE PORTA	VISCOSITÀ FLUIDO	PRESSIONE DI ESERCIZIO (MPa)	PRESSIONE MASSIMA (MPa)	TEMP. AMBIENTE (°C)	TOLLERANZA VOLTAGGIO	CORPO VALVOLA	TENUTE
2W 160-06	ARIA ACQUA OLIO	COMANDO DIRETTO	NORM. CHIUSO	16	4,8	1/8"	< 20 CST	ARIA: 0 ~ 1,0 ACQUA: 0 ~ 0,7 OLIO: 0 ~ 0,7	1,0	-5 ~ 80	± 10%	OTTONE	NBR EPDM O VITON
2W 160-08				16	4,8	1/4"							
2W 160-10				16	4,8	3/8"							
2W 160-15				16	4,8	1/2"							
2W 200-20				20	7,6	3/4"							
2W 250-25				25	12	1"							
2W 350-35				35	24	1 1/4"							
2W 400-40				40	29	1 1/2"							
2W 500-50				50	48	2"							

IMPORTANTE: Nella stesura dell'ordine specificare il tipo di bobina (AC o DC) e il tipo di valvola (NA o NC).

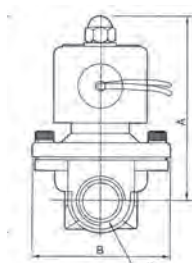
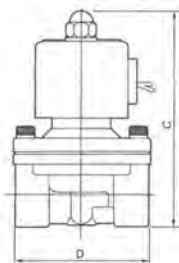
IN-LINE VALVES

PT 1/4"
 PT 3/8"
 PT 1/2"
 PT 3/4"
 PT 1"



PT 1" 1/4
 PT 1" 1/2
 PT 2"

MATERIAL: NON NICKEL PLATED BRASS - AVAILABLE ON REQUEST IN AISI 316 L



SIZES

COD	A	B	C	D	K
2W 160 - 06	93	56	106	69	PT 1/8"
2W 160 - 08	93	56	106	69	PT 1/4"
2W 160 - 10	93	56	106	69	PT 3/8"
2W 160 - 15	93	56	106	69	PT 1/2"
2W 200 - 20	100	56	117	73	PT 3/4"
2W 250 - 25	104	78	125	99	PT 1"
2W 350 - 35	141	93	172	124	PT 1 1/4"
2W 400 - 40	141	93	172	124	PT 1 1/2"
2W 500 - 50	157	124	195	172	PT 2"

PARAMETERS

COD	FLUID	VERSION	TYPE	ORIFICE (mm)	CV VALUE	PORT CONNECTION	FLUID VISCOSITY	WORKING PRESSURE (MPa)	PRESSURE MAXIMUM (MPa)	ROOM TEMP. (°C)	VOLTAGE TOLERANCE	VALVE BODY	SEALS
2W 160-06	AIR WATER OIL	COMMAND DIRECT	NORM. CLOSED	16	4,8	1/8"	< 20 CST	AIR: 0 ~ 1,0 WATER: 0 ~ 0,7 OIL: 0 ~ 0,7	1,0	-5 ~ 80	± 10%	BRASS	NBR EPDM O VITON
2W 160-08				16	4,8	1/4"							
2W 160-10				16	4,8	3/8"							
2W 160-15				16	4,8	1/2"							
2W 200-20				20	7,6	3/4"							
2W 250-25				25	12	1"							
2W 350-35				35	24	1 1/4"							
2W 400-40				40	29	1 1/2"							
2W 500-50				50	48	2"							

IMPORTANT: When drafting the order, specify the type of coil (AC or DC) and the type of valve (NO or NC).

VALVOLE IN-LINE

KLS-08
KLS-10

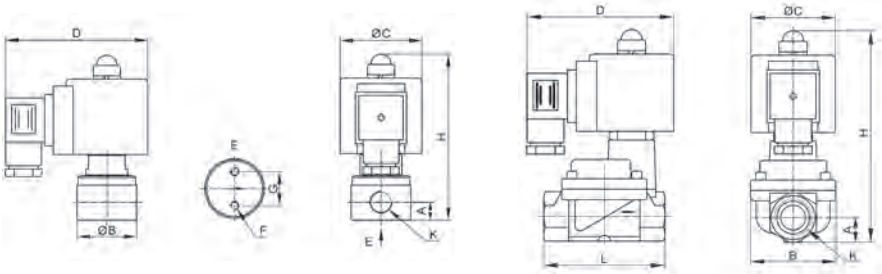


MATERIALE: AISI 304

KLS-15
KLS-20
KLS-25
KLS-32
KLS-40
KLS-50



MATERIALE: AISI 304



DIMENSIONI

COD	A	Ø B	Ø C	D	F	G	K	H	L
KLS-08	10,5	35	48	83,5	M5	20	G 1/4"	89	
KLS-08-NO	10,5	35	48	83,5	M5	20	G 1/4"	96	
KLS-10	11,5	44	48	83,5	M5	27	G 3/8"	93	
KLS-10-NO	11,5	44	48	83,5	M5	27	G 3/8"	100	
KLS-15	14	48,5	48	83,5			G 1/2"	121	69
KLS-20	18	55,5	48	83,5			G 3/4"	133	79
KLS-25	21	70	48	83,5			G 1"	142	96
KLS-32	27	70	48	83,5			G 1 1/4"	152	109
KLS-40	31	95	48	83,5			G 1 1/2"	167	128
KLS-50	38	100	48	83,5			G 2"	183	150

PARAMETRI

COD	DN	CONNESSIONE PORTE	VISCOSITÀ FLUIDO	PRESSIONE DI ESERCIZIO	TEMPERATURA MASSIMA	CORPO VALVOLA	TENUTE
KLS-08-2	2	1/4"	50 CST	0 ÷ 12 BAR	FPN = 150 °C	AISI 304	FPN ARCHIESTA PTFE E EPDM
KLS-08-2.5	2,5	1/4"			FPN = 150 °C		
KLS-08-3	3	1/4"			FPN = 150 °C		
KLS-08-4	4	1/4"			FPN = 150 °C		
KLS-08-5	5	1/4"			FPN = 150 °C		
KLS-10-2	2	3/8"			EPDM = 120 °C		
KLS-10-2.5	2,5	3/8"			EPDM = 120 °C		
KLS-10-3	3	3/8"			EPDM = 120 °C		
KLS-10-4	4	3/8"			EPDM = 120 °C		
KLS-10-5	5	3/8"			EPDM = 120 °C		
KLS-15	15	1/2"			PTFE = 180 °C		
KLS-20	20	3/4"			PTFE = 180 °C		
KLS-25	25	1"			PTFE = 180 °C		
KLS-32	32	1 1/4"			PTFE = 180 °C		
KLS-40	40	1 1/2"			PTFE = 180 °C		
KLS-50	50	2"			PTFE = 180 °C		

IN-LINE VALVES

KLS-08
KLS-10

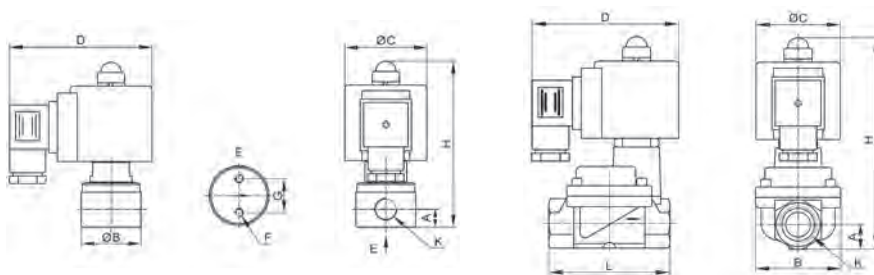


MATERIAL: AISI 304

KLS-15
KLS-20
KLS-25
KLS-32
KLS-40
KLS-50



MATERIAL: AISI 304



SIZES

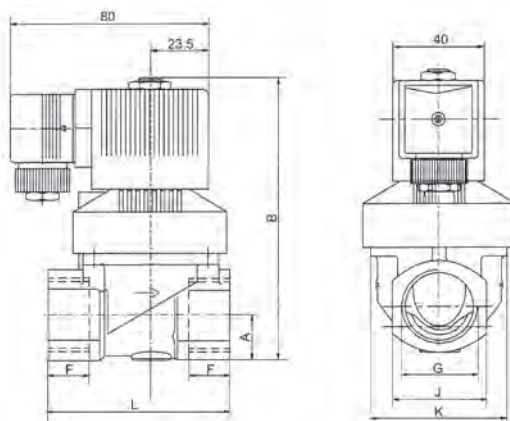
COD	A	Ø B	Ø C	D	F	G	K	H	L
KLS-08	10,5	35	48	83,5	M5	20	G 1/4"	89	
KLS-08-NO	10,5	35	48	83,5	M5	20	G 1/4"	96	
KLS-10	11,5	44	48	83,5	M5	27	G 3/8"	93	
KLS-10-NO	11,5	44	48	83,5	M5	27	G 3/8"	100	
KLS-15	14	48,5	48	83,5			G 1/2"	121	69
KLS-20	18	55,5	48	83,5			G 3/4"	133	79
KLS-25	21	70	48	83,5			G 1"	142	96
KLS-32	27	70	48	83,5			G 1 1/4"	152	109
KLS-40	31	95	48	83,5			G 1 1/2"	167	128
KLS-50	38	100	48	83,5			G 2"	183	150

PARAMETERS

COD	DN	PORT CONNECTION	FLUID VISCOSITY	WORKING PRESSURE	TEMPERATURE MAXIMUM	BODY VALVE	SEALS
KLS-08-2	2	1/4"	50 CST	0 ÷ 12 BAR	FPN = 150 °C	AISI 304	FPN PTFE AND EPDM ON REQUEST
KLS-08-2.5	2,5	1/4"			FPN = 150 °C		
KLS-08-3	3	1/4"			FPN = 150 °C		
KLS-08-4	4	1/4"			FPN = 150 °C		
KLS-08-5	5	1/4"			FPN = 150 °C		
KLS-10-2	2	3/8"			EPDM = 120 °C		
KLS-10-2.5	2,5	3/8"			EPDM = 120 °C		
KLS-10-3	3	3/8"			EPDM = 120 °C		
KLS-10-4	4	3/8"			EPDM = 120 °C		
KLS-10-5	5	3/8"			EPDM = 120 °C		
KLS-15	15	1/2"			PTFE = 180 °C		
KLS-20	20	3/4"			PTFE = 180 °C		
KLS-25	25	1"			PTFE = 180 °C		
KLS-32	32	1 1/4"			PTFE = 180 °C		
KLS-40	40	1 1/2"			PTFE = 180 °C		
KLS-50	50	2"			PTFE = 180 °C		

MATERIALE: OTTONE NON NICHELATO

A close-up photograph of a SAS 3/4 inch 2-position 2-way solenoid valve. The valve body is made of brass and features two 1/2 inch NPT ports. The solenoid coil is black and has the SAS logo prominently displayed. A black adjustment knob is visible on the side of the coil.



COD	G	F	H	K	L	E	B	A
KL 5231008	ZG 1/4"	12	40	34	64	24	97	16
KL 5231010	ZG 3/8"	12	40	34	64	24	97	16
KL 5231015	ZG 1/2"	12	40	34	64	24	97	16
KL 5231020	ZG 3/4"	16	40	60	92	45	124	20
KL 5231025	ZG 1"	18	40	60	92	45	124	20

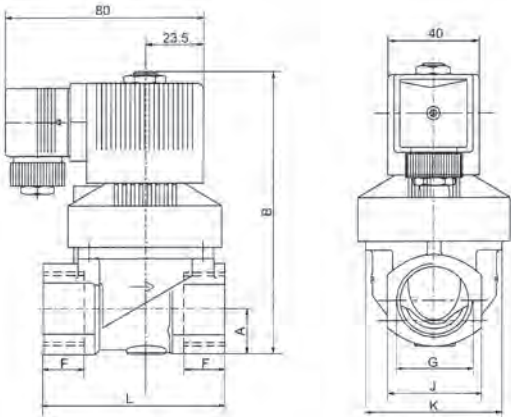
COD	DN	CONNESSIONE PORTE	VISCOSITÀ FLUIDO	PRESSIONE DI ESERCIZIO	TEMP. MAX DI ESERCIZIO	CORPO VALVOLA	TENUTE
KLS-H-08	13	1/4"	0,01 CST	3 ÷ 50 BAR	180 °C	OTTONE	PTFE
KLS-H-10	13	3/8"	0,01 CST	3 ÷ 50 BAR	180 °C	OTTONE	PTFE
KLS-H-15	13	1/2"	0,01 CST	3 ÷ 50 BAR	180 °C	OTTONE	PTFE
KLS-H-20	25	3/4"	0,01 CST	3 ÷ 35 BAR	180 °C	OTTONE	PTFE
KLS-H-25	25	1"	0,01 CST	3 ÷ 35 BAR	180 °C	OTTONE	PTFE

IN-LINE VALVES

*MATERIAL:
NOT NICKEL PLATED BRASS*



*KLS-08
KLS-10*



SIZES

COD	G	F	H	K	L	E	B	A
KL 5231008	ZG 1/4"	12	40	34	64	24	97	16
KL 5231010	ZG 3/8"	12	40	34	64	24	97	16
KL 5231015	ZG 1/2"	12	40	34	64	24	97	16
KL 5231020	ZG 3/4"	16	40	60	92	45	124	20
KL 5231025	ZG 1"	18	40	60	92	45	124	20

PARAMETERS

COD	DN	PORT CONNECTION	FLUID VISCOSITY	WORKING PRESSURE	TEMPERATURE MAXIMUM	BODY VALVE	SEALS
KLS-H-08	13	1/4"	0,01 CST	3 ÷ 50 BAR	180 °C	BRASS	PTFE
KLS-H-10	13	3/8"	0,01 CST	3 ÷ 50 BAR	180 °C	BRASS	PTFE
KLS-H-15	13	1/2"	0,01 CST	3 ÷ 50 BAR	180 °C	BRASS	PTFE
KLS-H-20	25	3/4"	0,01 CST	3 ÷ 35 BAR	180 °C	BRASS	PTFE
KLS-H-25	25	1"	0,01 CST	3 ÷ 35 BAR	180 °C	BRASS	PTFE

VALVOLE PROPORZIONALI



COD	ATTACCO BSPP	INGRESSO	USCITA	PRESSIONE	CORRENTE
VP-1000	1/8"- 1/4"	4÷20 mA - 0÷20 mA - 0÷5 VDC - 0÷10 VDC	1÷5 VDC - dig. NPN - dig. PNP - 4÷20 mA	0÷0,1 MPa	24 DC
VP-2000	1/8"- 3/8"	4÷20 mA - 0÷20 mA - 0÷5 VDC - 0÷10 VDC	1÷5 VDC - dig. NPN - dig. PNP - 4÷20 mA	0÷0,5 MPa	24 DC
VP-2040*	3/8"- 1/2"	4÷20 mA - 0÷20 mA - 0÷5 VDC - 0÷10 VDC	1÷5 VDC - dig. NPN - dig. PNP - 4÷20 mA	0÷3,0 MPa	24 DC
VP-3000	1/4"- 1/2"	4÷20 mA - 0÷20 mA - 0÷5 VDC - 0÷10 VDC	1÷5 VDC - dig. NPN - dig. PNP - 4÷20 mA	0÷0,9 MPa	24 DC

DATI TECNICI:

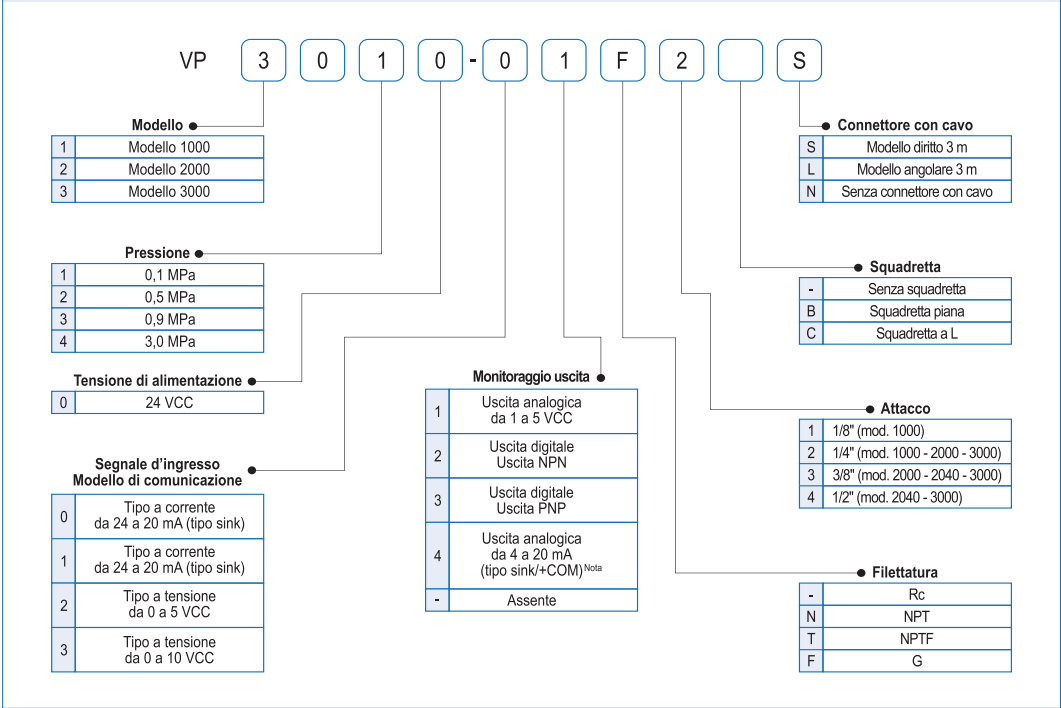
Temperatura di esercizio: max 50 °C
Gamma di pressioni (a seconda del modello): 0,05 ÷ 0,9 MPa
Tolleranza a 25 °C: ± 2%
APPLICAZIONI: Fluidi: Aria, Gas non corrosivi e incombustibili

SPECIFICHE TECNICHE:

Tensione di alimentazione: da 12 Vdc A 24 Vdc ± 10%
2 uscite digitali: NPN oppure PNP
Uscite Analogiche: 4 - 20 mA oppure 1 - 5 Vdc

1 Bar = 0,1 MPa

COME ORDINARE



PROPORTIONAL VALVES

VP 3000


 VP 2000
 VP 2040*


VP 1000



COD	ATTACK BSP	INLET	OUTLET	PRESSURE	POWER SUPPLY
VP-1000	1/8" - 1/4"	4÷20 mA - 0÷20 mA - 0÷5 VDC - 0÷10 VDC	1÷5 VDC - dig. NPN - dig. PNP - 4÷20 mA	0÷0,1 MPa	24 DC
VP-2000	1/8" - 3/8"	4÷20 mA - 0÷20 mA - 0÷5 VDC - 0÷10 VDC	1÷5 VDC - dig. NPN - dig. PNP - 4÷20 mA	0÷0,5 MPa	24 DC
VP-2040*	3/8" - 1/2"	4÷20 mA - 0÷20 mA - 0÷5 VDC - 0÷10 VDC	1÷5 VDC - dig. NPN - dig. PNP - 4÷20 mA	0÷3,0 MPa	24 DC
VP-3000	1/4" - 1/2"	4÷20 mA - 0÷20 mA - 0÷5 VDC - 0÷10 VDC	1÷5 VDC - dig. NPN - dig. PNP - 4÷20 mA	0÷0,9 MPa	24 DC

TECHNICAL DATA:

Operating temperature: max 50°C
 Pressure range (depending on the model): 0.05 ÷ 0.9 MPa
 Tolerance at 25 °C: ± 2%
 APPLICATIONS:
 Fluids: Air, non corrosive and incombustible gases

TECHNICAL SPECIFICATIONS:

Supply voltage: from 12 VDC to 24 VDC ± 10%
 2 digital outputs: NPN or PNP
 Analog Outputs: 4 - 20 mA or 1 - 5 VDC

1 Bar = 0,1 MPa

HOW TO ORDER

VP 3 0 1 0 - 0 1 F 2 S

Model

1	1000 type
2	2000 type
3	3000 type

Pressure range

1	0,1 MPa
2	0,5 MPa
3	0,9 MPa
4	3,0 MPa

Power supply voltage

0	24 VCC
---	--------

Output signal
Communication model

0	Current type 4 to 20 mA DC (Sink type)
1	Current type 0 to 20 mA DC (Sink type)
2	Voltage type 0 to 5 VDC
3	Voltage type 0 to 10 VDC

Monitor output

1	Analog output 1 to 5 VCC
2	Switch output NPN output
3	Switch output PNP output
4	Analogic output 4 to 20 mA DC (Sink type)

Cable connector type

S	Straight type 3 m
L	Right angle type 3 m
N	Without cable connector

Bracket

-	Without bracket
B	Flat bracket
C	L-bracket

Port size

1	1/8" (mod. 1000)
2	1/4" (mod. 1000 - 2000 - 3000)
3	3/8" (mod. 2000 - 2040 - 3000)
4	1/2" (mod. 2040 - 3000)

Thread type

-	Rc
N	NPT
T	NPTF
F	G

VALVOLE PROPORZIONALI SERIE EPR

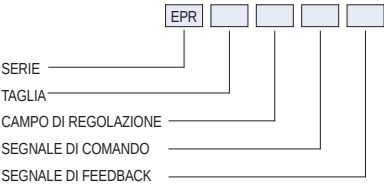


CARATTERISTICHE TECNICHE	
Pressione min.	Pressione massima regolata ± 1 bar
Pressione max.	10 bar per modelli con campodi regolazione 0÷5 e 0÷9 bar - 2 bar per il modello con campo di regolazione 0÷1 bar
Temperatura di esercizio	0÷50 °C
Fluido	Aria compressa, filtrata, lubrificata ininterrottamente o non lubrificata
Connessioni di lavoro	G 1/8" - G 1/4" - G 1/2"
Connessioni per manometro	G 1/8"
Portata con Pa = 6 bar e $\Delta p = 1$	G 1/8": 290 NI/min - G 1/4": 1440 NI/min - G 1/2": 4800 NI/min
Tensione di alimentazione	24 VDC
Assorbimento	< 6 W
Tolleranza tensione	$\pm 10\%$
Grado di protezione	IP 65
Connettore elettrico	M 12A 4 PIN
Sensibilità	$\leq \pm 0,5\%$ F.S.
Linearità	$\leq \pm 1,0\%$ F.S.
Ripetibilità	$\leq \pm 0,5\%$ F.S.
Isteresi	$\leq 0,5\%$ F.S.

CARATTERISTICHE COSTRUTTIVE	
Testata	Tecnopolimero
Corpo	Alluminio
Molle	Acciaio INOX
Guarnizioni	NBR

Le valvole proporzionali consentono la regolazione della pressione in uscita mediante un segnale elettrico: sono disponibili nei diametri G 1/8", G 1/4" e G 1/2". In funzione della pressione regolata si ha un segnale elettrico in uscita, (segnale di feedback). Le valvole proporzionali hanno in dotazione un display che, oltre ad indicare la pressione regolata, semplifica la configurazione tramite il pannello utente integrato.

CHIAVE DI CODIFICA



TAGLIA	
8 = G 1/8"	4 = G 1/4" 2 = G 1/2"
CAMPO DI REGOLAZIONE	
/1 = 0÷1 bar	/5 = 0÷5 /9 = 0÷9
SEGNALE DI COMANDO	
T = Tensione: 0÷5 VDC / 0÷10 VDC (configurabile dall'utente) A = Corrente: 0÷20 mA DC / 4 20 mA DC (configurabile dall'utente) 4S = Quadro segnali di comando ON/OFF	
SEGNALE DI FEEDBACK	
F15 = 1÷5 VDC	F420 = 4÷20 mA DC FP = 24VDC PNP FN = 24 VDC NPN

ESEMPI DI CODIFICA

Valvola proporzionale con attacchi G1/2", campo di regolazione della pressione in uscita da 0 a 5 bar, segnale di comando in tensione, segnale di feedback in tensione (da 1 a 5 VDC): **EPR2/5TF15**.
Valvola proporzionale con attacchi G1/4", campo di regolazione della pressione in uscita da 0 a 1 bar, segnale di comando in corrente, segnale di feedback PNP 24 VDC: **EPR4/1AFP**

CONNETTORE ED INTERFACCIA UTENTE

CONNETTORE M12 A 4PIN

SET / Entra / Imposta valore

Scorri giù / Diminuisci valore

Scorri su / Aumenta valore

LED indicatore stato

Display

N° PIN	Colore cavo corrispondente	Disposizione con segnale di comando in VDC o mA	Disposizione con quattro segnali di comando
1	Rosso/Marrone	+ 24 VDC	+ 24 VDC
2	Bianco	Segnale di comando	Interruttore 1
3	Blu	GND	GND
4	Nero	Segnale di feedback	Interruttore 2

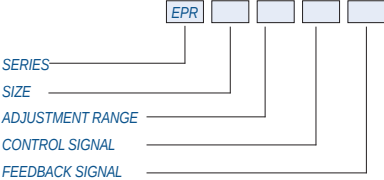
EPR SERIES PROPORTIONAL VALVES

The image shows two industrial pressure regulators from the SAS EPR series. The unit on the left is a larger model with a digital display showing '8.88' in red. It has a grey top section with a pressure gauge connection and a stainless steel body. The unit on the right is a smaller model with a similar design but a different top section. Both units have a threaded inlet at the top and a port at the bottom. The SAS logo is visible on the front of both units.

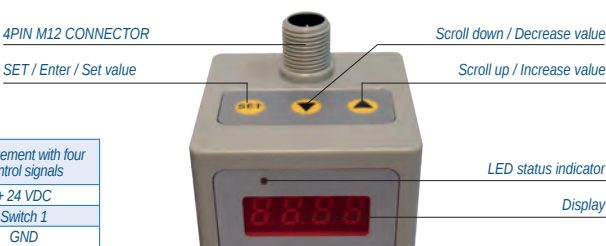
TECHNICAL CHARACTERISTICS	
Min. pressure	Maximum regulated pressure ÷ 1 bar
Max. pressure	10 bar for models with a pressure range of 0-5 and 0-9 bar - 2 bar for the model with a pressure range of 0-1 bar
Operating temperature	0-50°C
Fluid	Compressed air, filtered, continuously lubricated or non-lubricated
Working connections	G 1/8" - G 1/4" - G 1/2"
Pressure gauge connections	G 1/8"
Flow rate at Pa = 6 bar and Δp = 1	G 1/8": 290 Nl/min - G 1/4": 1440 Nl/min - G 1/2": 4800 Nl/min
Supply voltage	24 VDC
Power consumption	< 6 W
Voltage tolerance	± 10%
Protection rating	IP 65
Electrical connector	M 12A 4 PIN
Sensitivity	≤ ± 0.5% F.S.
Linearity	≤ ± 1.0% F.S.
Repeatability	≤ ± 0.5% F.S.
Hysteresis	≤ 0.5% F.S.

CONSTRUCTION FEATURES	
Cylinder Head	Technopolymer
Body	Aluminium
Springs	Stainless Steel
Seals	NBR

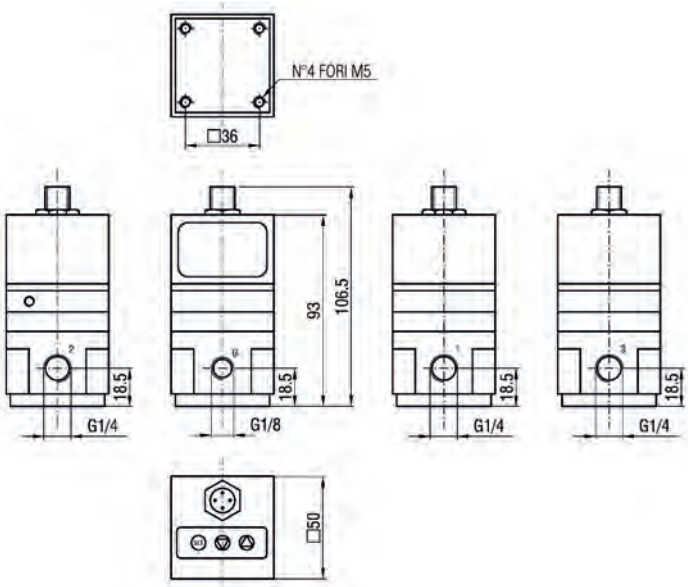
Proportional valves allow the outlet pressure to be regulated using an electrical signal: they are available in diameters G 1/8", G 1/4", and G 1/2". Depending on the regulated pressure, an electrical output signal (feedback signal) is generated. Proportional valves are equipped with a display that, in addition to indicating the regulated pressure, simplifies configuration via the integrated user panel.

ENCODING KEY				
	SERIES			
	SIZE			
	ADJUSTMENT RANGE			
	CONTROL SIGNAL			
	FEEDBACK SIGNAL			
SIZE				
8 = G 1/8" 4 = G 1/4" 2 = G 1/2"				
ADJUSTMENT RANGE				
/1 = 0÷1 bar /5 = 0÷5 /9 = 0÷9				
COMMAND SIGNAL				
T = Voltage: 0-5 VDC / 0-10 VDC (user-configurable) A = Current: 0-20 mA DC / 4-20 mA DC (user-configurable) 4S = ON/OFF control signal panel				
FEEDBACK SIGNAL				
F15 = 1÷5 VDC F420 = 4÷20 mA DC FP = 24VDC PNP FN = 24 VDC NPN				

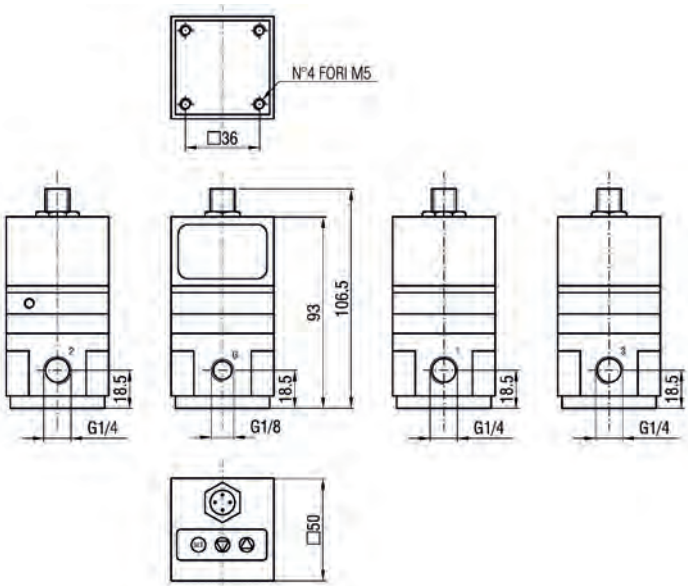
CODING EXAMPLES	
Proportional valve with G1/2" connections, output pressure adjustment range from 0 to 5 bar, voltage control signal, voltage feedback signal (1 to 5 VDC): EPR2/5TF15 .	
Proportional valve with G1/4" connections, output pressure adjustment range from 0 to 1 bar, current control signal, PNP 24 VDC feedback signal: EPR4/1AFP	

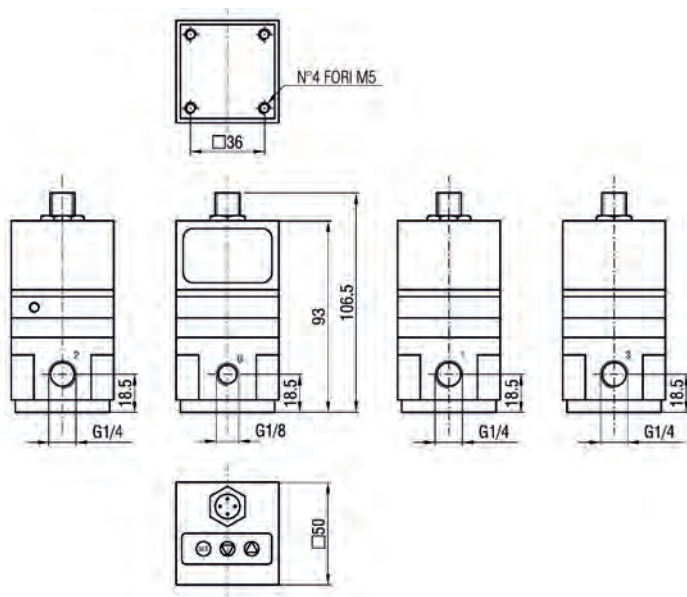
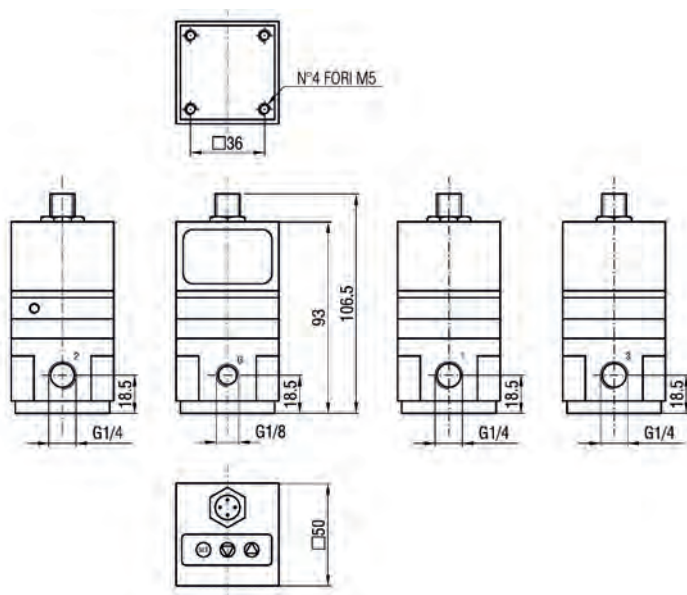
CONNECTOR AND USER INTERFACE			
			
4PIN M12 CONNECTOR			
SET / Enter / Set value		Scroll down / Decrease value	
		Scroll up / Increase value	
		LED status indicator	
		Display	
N° PIN	Cable color matching	Arrangement with control signal in VDC or mA	Arrangement with four control signals
1	Red/Brown	+ 24 VDC	+ 24 VDC
2	White	Command signal	Switch 1
3	Blue	GND	GND
4	Black	Feedback signal	Switch 2

DIMENSIONI DI INGOMBRO E PESO (380 GR) - TAGLIA G 1/8"

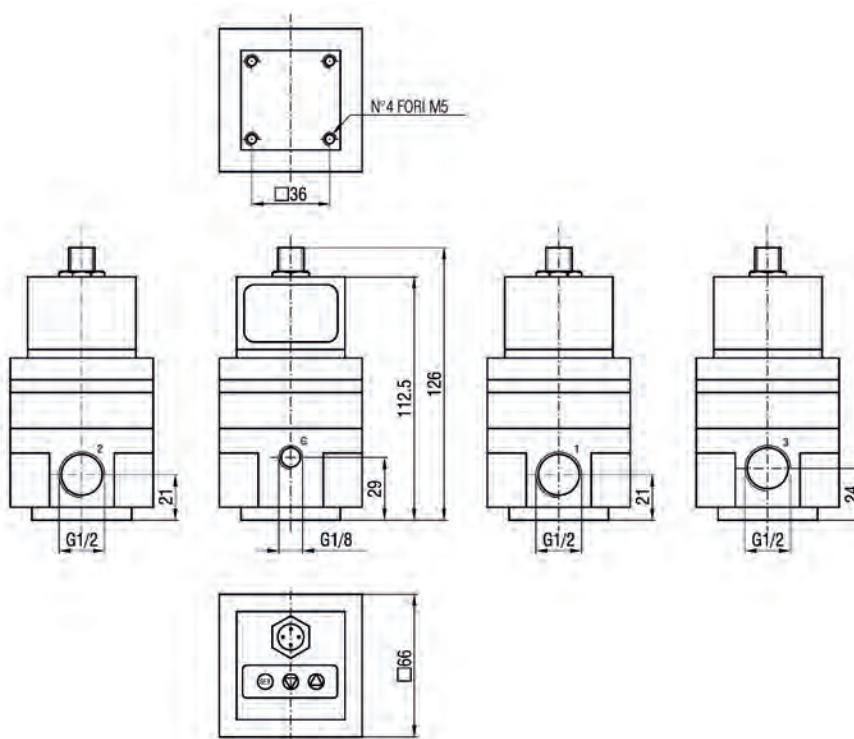


DIMENSIONI DI INGOMBRO E PESO (409 GR) - TAGLIA G 1/4"

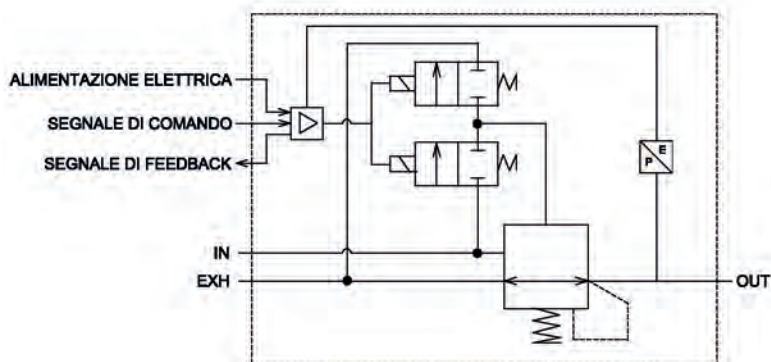


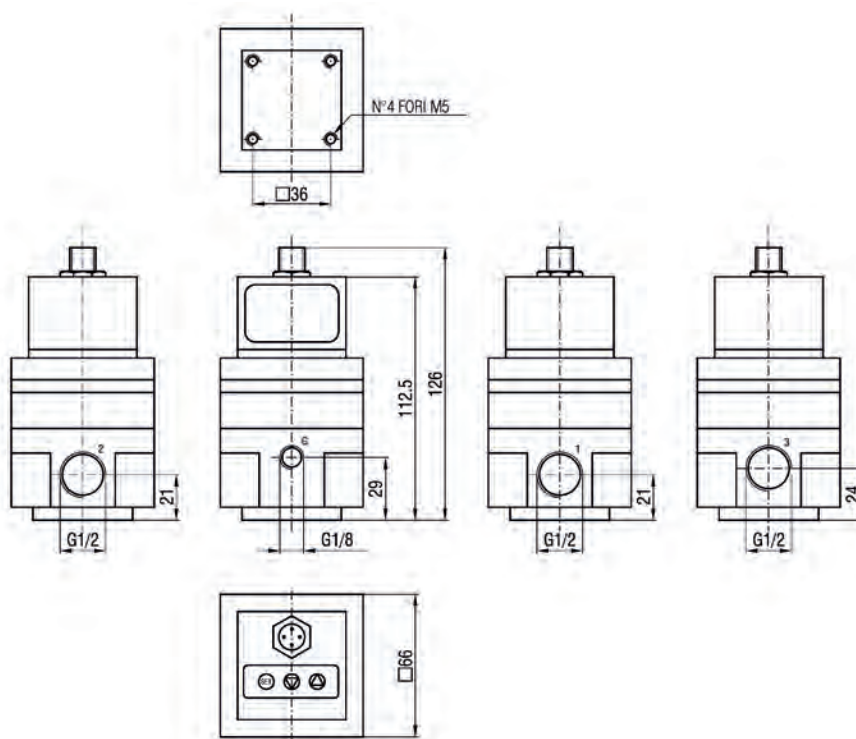
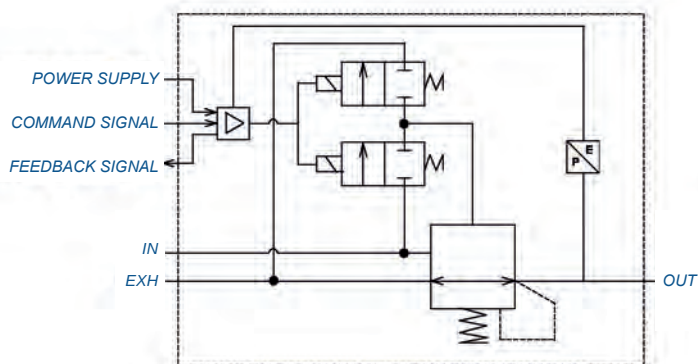
OVERALL DIMENSIONS AND WEIGHT (380 GR) - SIZE G 1/8"*OVERALL DIMENSIONS AND WEIGHT (380 GR) - SIZE G 1/4"*

DIMENSIONI DI INGOMBRO E PESO (753 GR) - TAGLIA G 1/2"

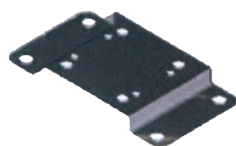
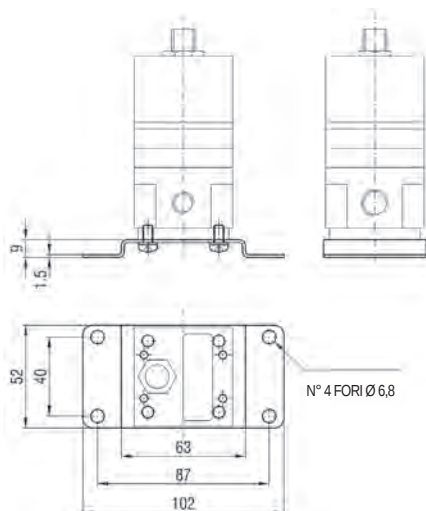


SCHEMA FUNZIONALE



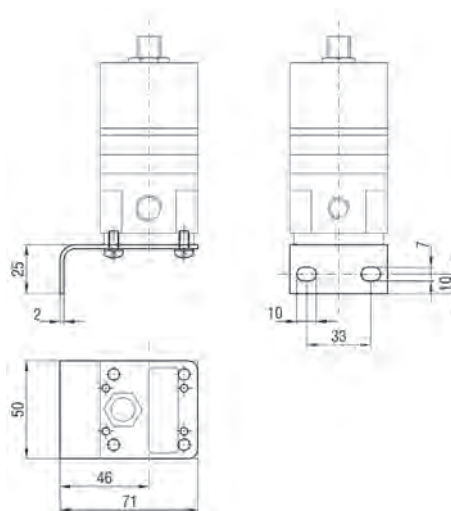
OVERALL DIMENSIONS AND WEIGHT (380 GR) - SIZE G 1/2"*FUNCTIONAL DIAGRAM*

ACCESSORI - F0 - FLANGIA ORIZZONTALE



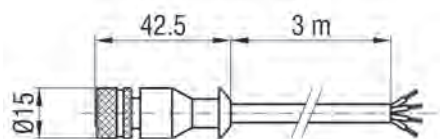
Viti per il fissaggio delle valvole incluse

ACCESSORI - F90 - FLANGIA A 90°

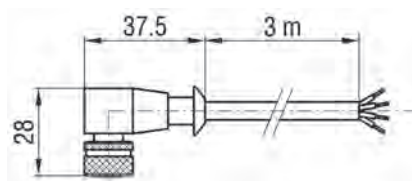


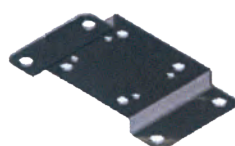
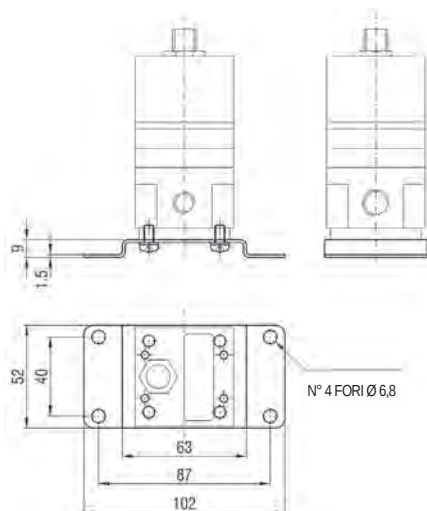
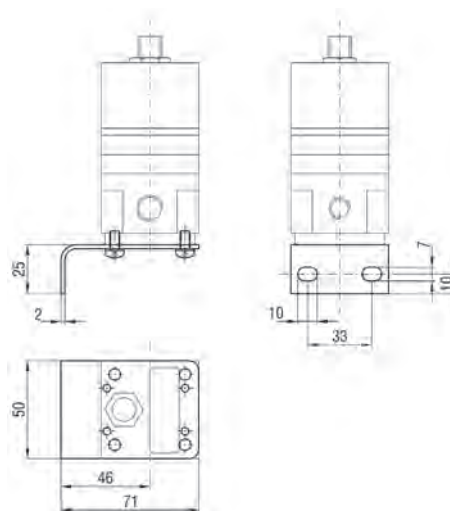
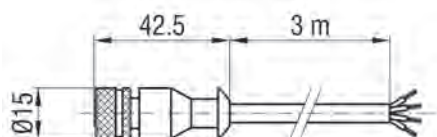
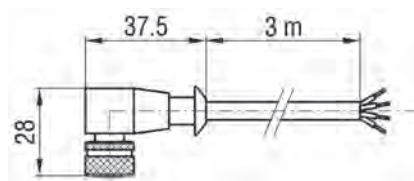
Viti per il fissaggio delle valvole incluse

M12L - CONNETTORE M12 CON CAVO IN LINEA

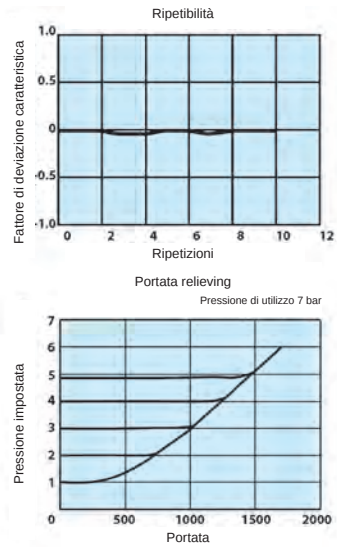
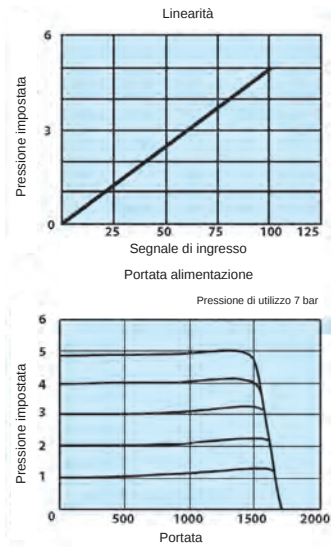


M12G - CONNETTORE M12 CON CAVO A 90°

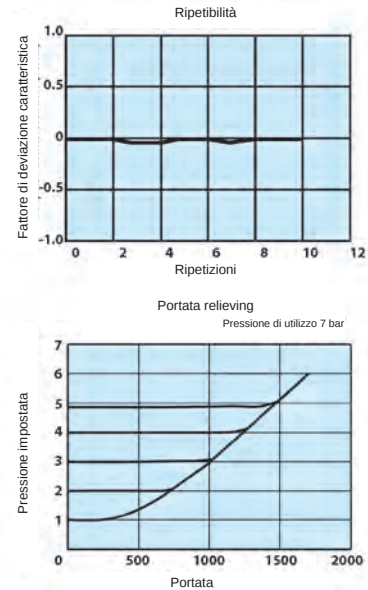
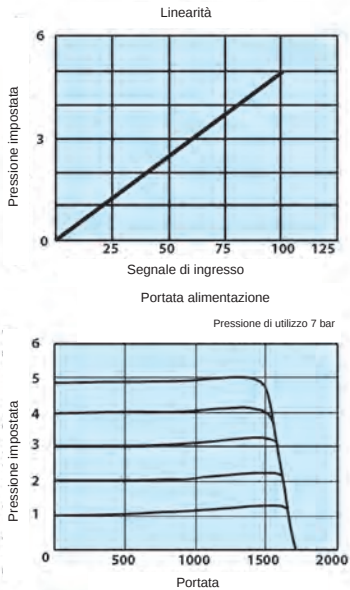


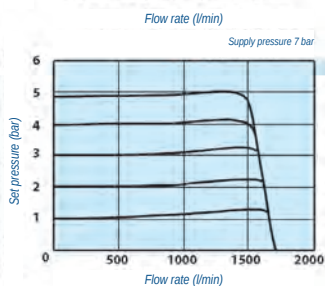
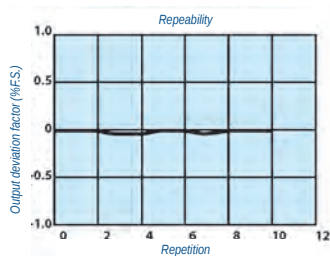
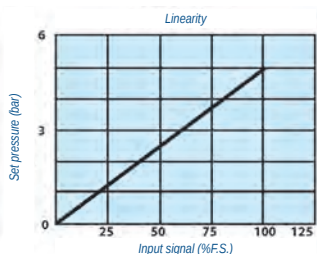
ACCESSORIES - F0 - HORIZONTAL FLANGE*Valve fixing screws included***ACCESSORIES - F90 - 90° FLANGE***Valve fixing screws included***M12L - M12 CONNECTOR WITH IN-LINE CABLE****M12G - M12 CONNECTOR WITH 90° CABLE**

TAGLIA 1/8" - CURVE CARATTERISTICHE

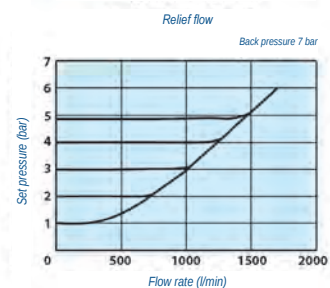
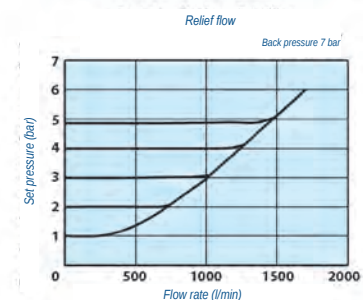
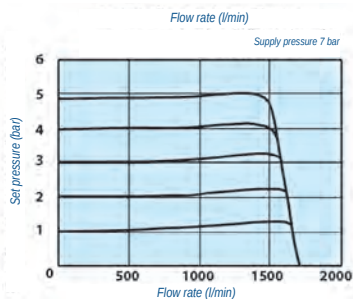
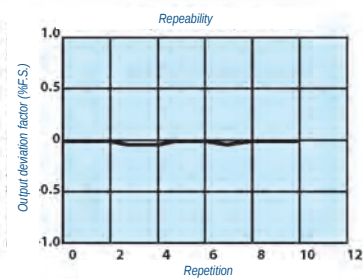
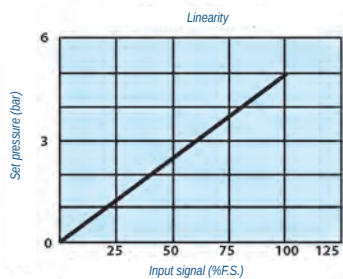


TAGLIA 1/4" - CURVE CARATTERISTICHE

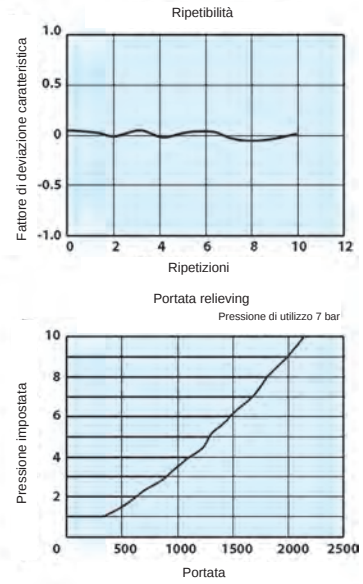
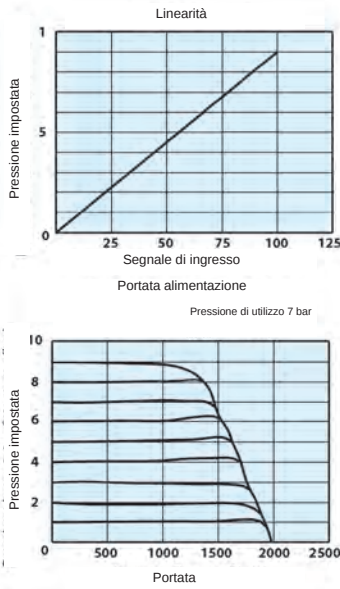


SIZE 1/8" - CHARACTERISTIC CURVES


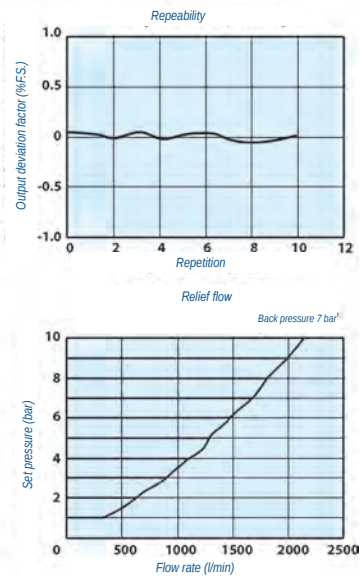
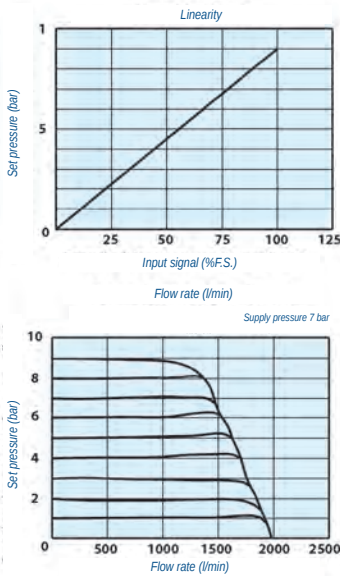
Input signal (%F.S.)


SIZE 1/4" - CHARACTERISTIC CURVES


TAGLIA 1/2" - CURVE CARATTERISTICHE



SIZE 1/2" - CHARACTERISTIC CURVES



VALVOLE AD ALTA PRESSIONE



COD	DESCRIZIONE
VAP-I-08-40	Valvola ad alta pressione colore giallo - 3/2 vie - DC 24 V - 0 ÷ 40 bar - Pilotaggio interno
VAP-E-08-24	Valvola ad alta pressione colore giallo - 3/2 vie - DC 24 V - 0 ÷ 24 bar - Dimensione porta G 1/4" - Pilotaggio esterno
VAP-I-15-24	Valvola ad alta pressione colore giallo - 3/2 vie - DC 24 V - 0 ÷ 24 bar - Dimensione porta G 1/2" - Pilotaggio interno
VAP-E-15-24	Valvola ad alta pressione colore giallo - 3/2 vie - DC 24 V - 0 ÷ 24 bar - Dimensione porta G 1/2" - Pilotaggio esterno

SCHEDA TECNICA

MODELLO	VAP-I-08-40	VAP-E-08-24	VAP-I-15-24	VAP-E-15-24
Passaggio	8 mm	8 mm	15 mm	15 mm
Pressione di lavoro	0 ÷ 24 bar (40 Bar versione 8 mm pilotaggio interno)			
Tempo di commutazione	≤ 0,04 s	≤ 0,04 s	≤ 0,08 s	≤ 0,08 s
Selezione effettiva	≥ 20 mm ²	≥ 20 mm ²	≥ 60 mm ²	≥ 60 mm ²
Temperatura massima di servizio	-10 °C ÷ 55 °C	-10 °C ÷ 55 °C	-10 °C ÷ 55 °C	-10 °C ÷ 55 °C
Temperatura media di lavoro	-5 °C ÷ 55 °C	-5 °C ÷ 55 °C	-5 °C ÷ 55 °C	-5 °C ÷ 55 °C
Durata della valvola	> 1.500.000 Cicli	> 1.500.000 Cicli	> 1.500.000 Cicli	> 1.500.000 Cicli

COME ORDINARE

VAP

I

-

08

-

24

TIPO:

Valvola alta pressione

I

Pilotaggio interno

E

Pilotaggio esterno

GRANDEZZA

08 = 8 mm

15 = 15 mm

PRESSIONE

24 = 24 Bar

40 = 40 Bar

HIGH PRESSURE VALVES



COD	DESCRIPTION
VAP-I-08-40	Yellow high pressure valve - 3/2 way - DC 24 V - 0 ÷ 40 bar - Internal pilot
VAP-E-08-24	Yellow high pressure valve - 3/2 way - DC 24 V - 0 ÷ 24 bar - Port size G 1/4" - External pilot
VAP-I-15-24	Yellow high pressure valve - 3/2 way - DC 24 V - 0 ÷ 24 bar - Port size G 1/2" - Internal pilot
VAP-E-15-24	Yellow high pressure valve - 3/2 way - DC 24 V - 0 ÷ 24 bar - Port size G 1/2" - External pilot

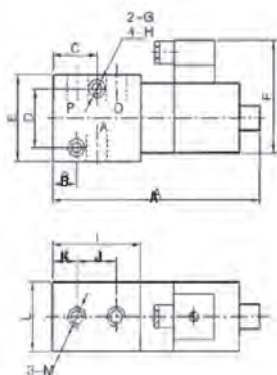
DATA SHEET

MODEL	VAP-I-08-40	VAP-E-08-24	VAP-I-15-24	VAP-E-15-24
Ride	8 mm	8 mm	15 mm	15 mm
Work pressure	0 ÷ 24 bar (40 Bar 8 mm internal pilot version)			
Switching time	≤ 0,04 s	≤ 0,04 s	≤ 0,08 s	≤ 0,08 s
Actual selection	≥ 20 mm ²	≥ 20 mm ²	≥ 60 mm ²	≥ 60 mm ²
Maximum service temperature	-10 °C ÷ 55 °C	-10 °C ÷ 55 °C	-10 °C ÷ 55 °C	-10 °C ÷ 55 °C
Average working temperature	-5 °C ÷ 55 °C	-5 °C ÷ 55 °C	-5 °C ÷ 55 °C	-5 °C ÷ 55 °C
Valve life	> 1.500.000 Cicli	> 1.500.000 Cicli	> 1.500.000 Cicli	> 1.500.000 Cicli

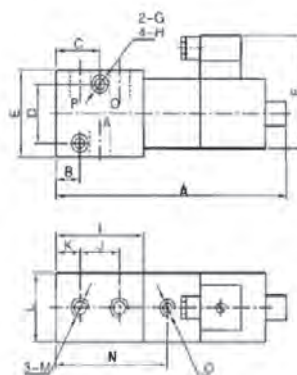
HOW TO ORDER

VAP	I	08	24
TYPE High pressure valve	I Internal piloting E External piloting	SIZE 08 = 8 mm 15 = 15 mm	PRESSURE 24 = 24 Bar 40 = 40 Bar

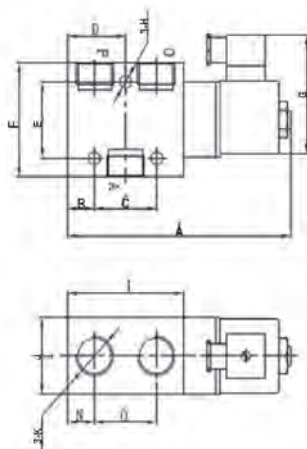
VAP-I-08-40



VAP-E-08-24



VAP-I-15-24



VAP-E-15-24

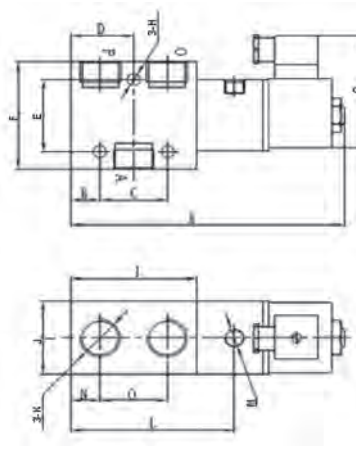
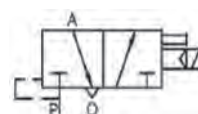


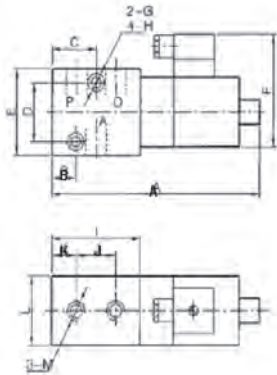
TABELLA DIMENSIONALE

COD	K	UN	B	C	D	E	F	G	H	I	J	K	L	M	N	O
VAP-I-08-40	G 1/4"	145	15	28	34	50	65	6,5	11	56	25	15,5	40	==	==	==
VAP-E-08-24	G 1/4"	143	15	28	34	50	65	6,5	11	56	25	15,5	40	==	75	G 1/8"
VAP-I-15-24	G 1/2"	157	15,5	34	32,5	40	60	65	6,5	65	60		==	==	10,5	==
VAP-E-15-24	G 1/2"	140	15,5	34	32,5	40	60	65	6,5	65	60		84,5	G 1/8"	==	==

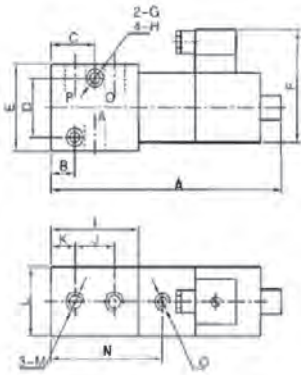
SIMBOLO GRAFICO



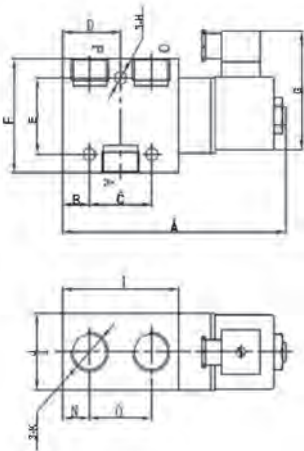
VAP-I-08-40



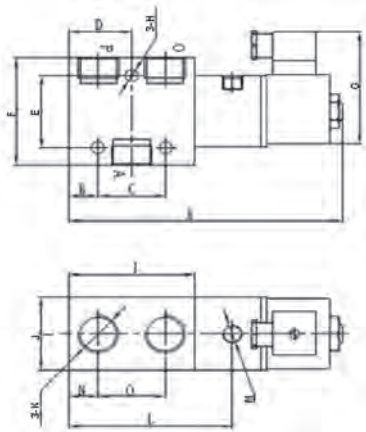
VAP-E-08-24



VAP-I-15-24

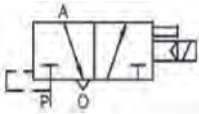


VAP-E-15-24



DIMENSIONAL TABLE

GRAPHIC SYMBOL



COD	K	UN	B	C	D	E	F	G	H	I	J	K	L	M	N	O
VAP-I-08-40	G 1/4"	145	15	28	34	50	65	6,5	11	56	25	15,5	40	==	==	==
VAP-E-08-24	G 1/4"	143	15	28	34	50	65	6,5	11	56	25	15,5	40	==	75	G 1/8"
VAP-I-15-24	G 1/2"	157	15,5	34	32,5	40	60	65	6,5	65	60		==	==	10,5	==
VAP-E-15-24	G 1/2"	140	15,5	34	32,5	40	60	65	6,5	65	60		84,5	G 1/8"	==	==

VALVOLA DI PORTATA A REGOLAZIONE ELETTRONICA

ELECTRONIC REGULATION FLOW VALVE



MATERIALE: INOX AISI 316 L

COD	DN	PORTA	FLOW
1 FCEV	8	1/4"	700
2 FCEV	10	3/8"	900
3 FCEV	15	1/2"	1800
4 FCEV	20	3/4"	2600
5 FCEV	25	1"	4000
6 FCEV	32	1" 1/4	4500

VOLTAGGIO	CORRENTE	COPPIA	TEMPO COMMUTAZIONE	SEGNALE	PRESSIONE	POTENZA	TEMPERATURA DI ESERCIZIO	GRAND	GRADO IP	FUNZIONAMENTO
DC 12÷24 V	< 200 mA	Max 10 Nm	< 30 s	4-20 mA	Max 10 Bar	5 W	0 ÷ 90 °C	DN 8 - 32	IP 65	Automatico Manuale

- Con un segnale proveniente dal PLC diretto alla scheda dell'attuatore all'ingresso, la valvola può essere aperta a qualsiasi angolo per ottenere un flusso costante di controllo.
- Con coppia di uscita fino a 10Nm e una forma elegante, la FCEV è un prodotto che controlla portate da 700 a 4500 l/min che copre il 90% delle applicazioni industriali. Quindi non è solo adatto per applicazioni leggere, ma anche in grado di lavorare in applicazioni industriali severe.
- La valvola a sfera assicura una soluzione semplice e buone prestazioni di tenuta.
- L'elettronica dell'attuatore garantisce un posizionamento preciso e di alta sensibilità.
- La connessione dell'attuatore alla valvola è conforme alla ISO 5211. Flangia di accoppiamento in grado di utilizzare diverse dimensioni di valvole.
- Vari i materiali: a richiesta in ottone, standard acciaio inox e PVC per soddisfare le diverse esigenze applicative.
- Il box è IP65, può essere utilizzato anche relativamente ambiente umido.

VALVOLA DI PORTATA A REGOLAZIONE ELETTRONICA
ELECTRONIC REGULATION FLOW VALVE



MATERIAL: INOX AISI 316 L

COD	DN	PORTA	FLOW
1 FCEV	8	1/4"	700
2 FCEV	10	3/8"	900
3 FCEV	15	1/2"	1800
4 FCEV	20	3/4"	2600
5 FCEV	25	1"	4000
6 FCEV	32	1" 1/4	4500

VOLTAGE	CURRENT	COUPLE	TIME SWITCHING	SIGNAL	PRESSURE	POWER	OPERATING TEMPERATURE	GRAND	IP GRADE	OPERATION
DC 12÷24 V	< 200 mA	Max 10 Nm	< 30 s	4-20 mA	Max 10 Bar	5 W	0 ÷ 90 °C	DN 8 - 32	IP 65	Automatic Manual

- With a signal from the PLC directed to the actuator board at the input, the valve can be opened at any angle to obtain a constant flow control.
- With output torque up to 10Nm and an elegant shape, the FCEV is a product that controls flow rates from 700 to 4500 l/min covering 90% of applications industrial cation. So it is not only suitable for light duty applications but also able to work in severe industrial applications.
- Ball valve ensures simple solution and good sealing performance.
- Actuator electronics ensure precise and highly sensitive positioning.
- The connection of the actuator to the valve complies with ISO 5211. Coupling flange capable of using different valve sizes.
- Various materials: on request in brass, standard stainless steel and PVC to satisfy the various application needs.
- The box is IP65, can also be used in relatively humid environment.



COD	ATTACCO BSPP	USCITE DIGITALI	USCITA ANALOGICA	SCALA	LUNGHEZZA CAVO
PD-010-P	1/8"	2 PNP	1-5 VDC	0÷10 Bar	2 mt
PD-030-P	1/8"	2 PNP	1-5 VDC	0÷10 Bar	2 mt
PD-011-P	1/8"	2 PNP	4-20 mA	0÷10 Bar	2 mt
PD-031-P	1/8"	2 PNP	4-20 mA	0÷10 Bar	2 mt
PD-010-C	1/8"	2 PNP	1-5 VDC	-1÷1 Bar	2 mt
PD-030-C	1/8"	2 PNP	1-5 VDC	-1÷1 Bar	2 mt
PD-011-C	1/8"	2 PNP	4-20 mA	-1÷1 Bar	2 mt
PD-031-C	1/8"	2 PNP	4-20 mA	-1÷1 Bar	2 mt
PD-010-V	1/8"	2 PNP	1-5 VDC	-1÷0 Bar	2 mt
PD-030-V	1/8"	2 PNP	1-5 VDC	-1÷0 Bar	2 mt
PD-011-V	1/8"	2 PNP	4-20 mA	-1÷0 Bar	2 mt
PD-031-V	1/8"	2 PNP	4-20 mA	-1÷0 Bar	2 mt

P = POSITIVO
N = NEGATIVO

DATI TECNICI:

Temperatura di esercizio: max 50 °C
 Gamma di pressioni (a seconda del modello): -1 ÷ + 10 Bar
 Tolleranza a 25 °C: ± 2%
 APPLICAZIONI: Fluidi: Aria, Gas non corrosivi e incombustibili

SPECIFICHE TECNICHE:

Tensione di alimentazione: da 12 Vdc A 24 Vdc ± 10%
 2 uscite digitali: NPN oppure PNP
 Uscite Analogiche: 4 - 20 mA oppure 1 - 5 Vdc
 Connessione: CAVO 2 mt
 Risoluzione strumento: Kpa, Mpa, Kgf/cm2, Bar, Psi, InHg
 Grado di protezione: IP 65

ACCESSORI PER IL MONTAGGIO

COD	DESCRIZIONE
SP-A	STAFFA PER FISSAGGIO A PARETE
SP-B	STAFFA PER FISSAGGIO A PAVIMENTO
SP-C	ADATTATORE PER FISSAGGIO A PANNELLO COMPLETO DI PROTEZIONE



COD	ATTACK BSP EXTENSION	DIGITAL OUTPUT	ANALOG OUTPUT	SCALE	CABLE LENGTH
PD-010-P	1/8"	2 PNP	1-5 VDC	0÷10 Bar	2 mt
PD-030-P	1/8"	2 PNP	1-5 VDC	0÷10 Bar	2 mt
PD-011-P	1/8"	2 PNP	4-20 mA	0÷10 Bar	2 mt
PD-031-P	1/8"	2 PNP	4-20 mA	0÷10 Bar	2 mt
PD-010-C	1/8"	2 PNP	1-5 VDC	-1÷1 Bar	2 mt
PD-030-C	1/8"	2 PNP	1-5 VDC	-1÷1 Bar	2 mt
PD-011-C	1/8"	2 PNP	4-20 mA	-1÷1 Bar	2 mt
PD-031-C	1/8"	2 PNP	4-20 mA	-1÷1 Bar	2 mt
PD-010-V	1/8"	2 PNP	1-5 VDC	-1÷0 Bar	2 mt
PD-030-V	1/8"	2 PNP	1-5 VDC	-1÷0 Bar	2 mt
PD-011-V	1/8"	2 PNP	4-20 mA	-1÷0 Bar	2 mt
PD-031-V	1/8"	2 PNP	4-20 mA	-1÷0 Bar	2 mt
P = POSITIVE N = NEGATIVE					

TECHNICAL DATA:

Operating temperature:

max 50°C

Pressure range (depending on the model): -1 ÷ + 10 Bar

Tolerance at 25°C:

± 2%

APPLICATIONS: Fluids:

Air, non corrosive and
incombustible gases

TECHNICAL SPECIFICATIONS:

Supply voltage:

from 12 VDC to 24 VDC ± 10%

2 digital outputs:

NPN or PNP

Analog Outputs:

4 - 20 mA or 1 - 5 VDC

Connection:

CABLE 2 m

Instrument resolution:

Kpa, Mpa, Kgt/cm2, Bar, Psi, InHg

Degree of protection:

IP65

ASSEMBLY ACCESSORIES

COD	DESCRIPTION
SP-A	WALL FIXING BRACKET
SP-B	BRACKET FOR FIXING TO THE FLOOR
SP-C	ADAPTER FOR PANEL FIXING COMPLETE WITH PROTECTION



COD	ATTACCO BSPP	SCALA	LUNGHEZZA CAVO	ALIMENTAZIONE
MD 60 P	1/8"	0÷10 Bar	//	Batteria al Litio CR 2032
MD 60 V	1/8"	-1÷0 Bar	//	Batteria al Litio CR 2032
MD 61 P	1/8"	0÷10 Bar	2 mt	12 ÷ 24 Vdc
MD 61 V	1/8"	-1÷0 Bar	2 mt	12 ÷ 24 Vdc

DATI TECNICI

Temperatura di esercizio: max 50 °C
 Gamma di pressioni (a seconda del modello): -1 ÷ + 10 Bar
 Tolleranza a 25 °C: ± 2%
 APPLICAZIONI: Fluidi: Aria, Gas non corrosivi e incombustibili

SPECIFICHE TECNICHE:

Tensione di alimentazione: da 12 Vdc A 24 Vdc ± 10%
 Connessione: CAVO 2 mt
 RISOLUZIONE STRUMENTO: Kpa, Mpa, Kgt/cm2, Bar, Psi
 Grado di protezione: IP 65

ACCESSORI PER IL MONTAGGIO

COD	DESCRIZIONE
FM-A	CONNETTORE FEMMINA M8 - CAVO 2 mt 4 pin
FM-B	STAFFA PER FISSAGGIO A PARETE
FM-C	STAFFA PER FISSAGGIO A PAVIMENTO



COD	ATTACK BSP EXTENSION	SCALE	CABLE LENGTH	SUPPLY
MD 60 P	1/8"	0÷10 Bar	//	CR 2032 lithium battery
MD 60 V	1/8"	-1÷0 Bar	//	CR 2032 lithium battery
MD 61 P	1/8"	0÷10 Bar	2 mt	12 ÷ 24 Vdc
MD 61 V	1/8"	-1÷0 Bar	2 mt	12 ÷ 24 Vdc

TECHNICAL DATA

Operating temperature:

max 50°C

Pressure range (depending on the model): -1 ÷ + 10 Bar

Tolerance at 25°C:

± 2%

APPLICATIONS:

Fluids: Air, non corrosive
and incombustible gases

TECHNICAL SPECIFICATIONS:

Supply voltage:

from 12 VDC to 24 VDC ± 10%

Connection:

CABLE 2 m

INSTRUMENT RESOLUTION: Kpa, Mpa, Kgt/cm2, Bar, Psi

Degree of protection: IP65

ASSEMBLY ACCESSORIES

COD	DESCRIPTION
FM-A	M8 FEMALE CONNECTOR - 2 m 4-pin CABLE
FM-B	WALL FIXING BRACKET
FM-C	BRACKET FOR FIXING TO THE FLOOR





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