

Hydropneumatic accumulators
Pulsation dampeners

Standard Types



L

LType

Carbon steel body

Accumulatore con membrana sostituibile

Caratteristiche tecniche

Pressione di esercizio: max. 210 bar
 Precarica gas (solo azoto): max. 90% P min. di esercizio
 Rapporto pressione ammissa: max. \leq 6/1
 Temperatura di esercizio: -40°C / +150°C (compatibilmente con le temperature ammesse dalla membrana)

Montaggio: in qualsiasi posizione

Caratteristiche costruttive standard

Costruzione corpo: acciaio al carbonio
 Membrana: secondo fluido
 Valvola attacco gas: 5/8"UNF versione 1
 Verniciatura: fondo antiruggine
 Collaudo: a richiesta

Accumulator with exchangeable diaphragm

Technical data

Operating pressure: max. 210 bar
 Gas filling (nitrogen only): max. 90% of min. operating pressure
 Admissible pressure ratio: max. \leq 6/1
 Operating temperature: -40°C / +150°C (Compatible with the temperatures admitted for the diaphragms)

Mounting: any position

Standard construction characteristics

Material of body: carbon steel
 Diaphragm: according to fluid
 Gas connection valve: 5/8"UNF version 1
 Painting: anti-rust primer
 Test: on request

Dimensioni / Dimensions / Abmessungen

Tipo	Volume*	Pressione	Attacco lato liquido	Valvola gas	A	ØB	C	ØD	Peso
Type	Volume*	Pressure	P.F.C.	Gas valve					Weight
	cm ³	max bar	E	Tappo Plug Bouton Zapfen				mm	kg
L 0.025	25	210	1/4" GAS	5/8"UNF	105	-	-	65	1,2
L 0.05	50	210	1/4" GAS	5/8"UNF	105	-	-	65	1,4
Type	Volume*	Pression	Connection fluide	Valve pour Gaz	A	ØB	C	ØD	Poids
Typ	Volumen*	Druck	Medium Anschluss	Gasventil					Gewicht

* Volume nominale - Nominal volume - Nominal Volumen

Codice ricambi / Spare parts code / Code pièces de rechange / Ersatzteil Schlüssel

Tipo	Membrana	Valvola gas	Serie guarnizioni
Type	Diaphragm	Gas valve	Gasket kit
L 0.025	MEML005*	VALPRE580NV2	-
L 0.05	MEML005*	VALPRE580NV2	-
Type	Membrane	Valve de gonflage	Etanchéité
Typ	Membran	Gasventil	Dichtungen

* Secondo fluido - According to fluid - Selon fluide - Nach Medium

Accumulateur avec membrane remplaçable

Caractéristiques techniques

Pression de service: max. 210 bar
 Gonflage (uniquement azote): max. 90% de la pression de service inférieure
 Rapport de pression admissible: max. \leq 6/1
 Temperature de service: -40°C / +150°C (Compatible avec les températures admis pour les membranes)

Montage: dans n'importe quelle position

Caractéristiques constructives standard

Corps: acier à carbone forgé
 Membrane: selon fluide
 Valve de gonflage: 5/8"UNF exécution 1
 Protection: primer anti-rouille
 Réception: sur demande

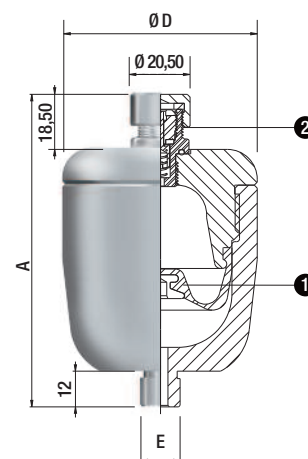
Druckspeicher mit auswechselbarer Membran

Technische Angaben

Betriebsdruck: max. 210 bar
 Gasfüllung: max. 90% vom min. Betriebsdruck (Ausschließlich Stickstoff)
 Zugelassenes Druckverh.: max. \leq 6/1
 Betriebstemperaturbereich: -40°C / +150°C (kompatibel mit den für die Membran zugelassenen Temperaturen)
 Montage: in jeder Position

Standard Konstruktionsmerkmale

Gehäuse: Schmiedestahl
 Membran: nach Medium
 Gasanschluss: 5/8"UNF Variante 1
 Lackierung: Rostschutz
 Abnahme: Auf Anfrage



Accumulatore con membrana sostituibile**Caratteristiche tecniche**

Pressione di esercizio:	max. 150/210/250 bar
Pre-carica gas (solo azoto):	max. 90% P min. di esercizio
Rapporto pressione ammissibile:	max. $\leq 6/1$
Temperatura di esercizio:	-40°C / +150°C (compatibilmente con le temperature ammesse dalla membrana)
Montaggio:	in qualsiasi posizione

Caratteristiche costruttive standard

Costruzione corpo:	acciaio al carbonio acciaio inox AISI 316L acciaio duplex F51
Membrana:	secondo fluido
Valvola attacco gas:	5/8"UNF versione 1
Verniciatura:	fondo antiruggine (solo per acciaio al carbonio)
Collaudo:	a richiesta

Accumulator with exchangeable diaphragm**Technical data**

Operating pressure:	max. 150/210/250 bar
Gas filling (nitrogen only):	max. 90% of min. operating pressure
Admissible pressure ratio:	max. $\leq 6/1$
Operating temperature:	-40°C / +150°C (Compatible with the temperatures admitted for the diaphragms)
Mounting:	any position

Standard construction characteristics

Material of body:	carbon steel stainless steel AISI 316L duplex steel F51
Diaphragm:	according to fluid
Gas connection valve:	5/8"UNF version 1
Painting:	anti-rust primer (only carbon steel)
Test:	on request

Dimensioni / Dimensions / Abmessungen

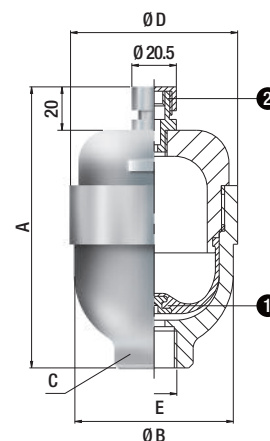
Tipo Type	Volume* Volume*	Pressione Pressure			Attacco lato liquido P.F.C.		Valvola gas Gas valve		A	ØB	C	ØD	Peso Weight
		cm ³	max bar		E	Tappo Plug Bouton Zapfen		mm	kg				
L 0.025	25	150	-	210/250	1/2" GAS	-	Plug • 5/8"UNF	105	-	-	65	1,2	
L 0.05	50	150	-	210/250	1/2" GAS	-	Plug • 5/8"UNF	105	-	-	65	1,2	
L 0.1	100	150	210	210/250	1/2" NPT	M18x1,5	M28x1,5 • 5/8"UNF	128	73	36	77	1,9	
L 0.35	350	150	210	210/250	1/2" NPT	M18x1,5	M28x1,5 • 5/8"UNF	157	94	40	99,5	2,9	
Type	Volume*	Pression	Connection fluide		Valve pour Gaz		A	ØB	C	ØD	Poids		
Typ	Volumen*	Druck	Medium Anschluss		Gasventil		A	ØB	C	ØD	Gewicht		

* Volume nominale - Nominal volume - Nominal Volumen

Codice ricambi / Spare parts code / Code pièces de rechange / Ersatzteil Schlüssel

Tipo Type	Membrana Diaphragm	Valvola gas Gas valve
L 0.1	MEML01*	VALPRE580NV2 - VALPRE58X
L 0.35	MEML035*NV1	VALPRE580NV2 - VALPRE58X
Type	Membrane	Valve de gonflage
Typ	Membran	Gasventil

* Secondo fluido - According to fluid - Selon fluide - Nach Medium

**Accumulateur avec membrane remplaçable****Caractéristiques techniques**

Pression de service:	max. 150/210/250 bar
Gonflage (uniquement azote):	max. 90% de la pression de service inférieure
Rapport de pression admissible:	max. $\leq 6/1$
Temperature de service:	-40°C / +150°C (Compatible avec les températures admis pour les membranes)
Montage:	dans n'importe quelle position

Caractéristiques constructives standard

Corps:	acier à carbone forgé acier inoxydable AISI 316L duplex acier F51
Membrane:	selon fluide
Valve de gonflage:	5/8"UNF exécution 1
Protection:	primer anti-rouille (seulement acier à carbone forgé)
Réception:	sur demande

Druckspeicher mit auswechselbarer Membran**Technische Angaben**

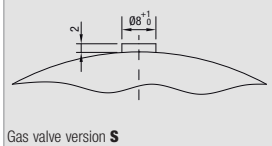
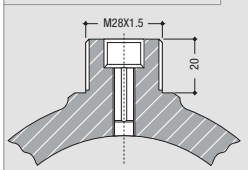
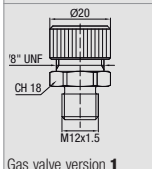
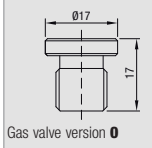
Betriebsdruck:	max. 150/210/250 bar
Gasfüllung:	max. 90% vom min. Betriebsdruck (Ausschließlich Stickstoff)
Zugelassenes Druckverh.:	max. $\leq 6/1$
Betriebstemperaturbereich:	-40°C / +150°C (kompatibel mit den für die Membran zugelassenen Temperaturen)
Montage:	in jeder Position

Standard Konstruktionsmerkmale

Gehäuse:	Schmiedestahl Edelstahl AISI 316L Duplex Stahl F51
Membran:	nach Medium
Gasanschluss:	5/8"UNF Variante 1
Lackierung:	Rostschutz (allein Schmiedestahl)
Abnahme:	Auf Anfrage

LAV 1 1,5 1 0 S A

Type	Gas Valve				Volume (litres)	Separating element	Body material	Port fluid connection	Tests	
	0	1	2	S						
L	Plug	5/8" UNF	M28x1,5	-	0,025÷0,35	1 *	Standard Nitrile (NBR) -15 / +80°C	O = Carbon steel	S = Standard thread	A = Factory test (PED 97/23/CE according to EN 13445-3)
LA	Plug	5/8" UNF	-	-	0,75÷12	2 *	Butyl (IR) -20 / +100°C	A = Alloy	R = Special thread*	B = ASME "U" Stamp
LAS	-	5/8" UNF	-	-	0,75÷12	3	Chloroprene (CR) -10 / +100°C	B = Carbon steel, kanigen-treated	F = Flanged (to be stated)*	C = PED 97/23/CE Modulo G
LASS	-	5/8" UNF	-	-	0,75÷5	4 *	Ethilene-propylene (EPDM) -30 / +130°C	C = Carbon steel galvanized	Z = With reduction or nipple (to be stated Ø)	D = PED 97/23/CE according to AD 2000
WA	-	5/8" UNF	M28x1,5	Welded plug	0,05÷3,8	5 *	Natural Rubber (NR) -20 / +70°C	X = Stainless steel*		E = PED 97/23/CE according to ASME VIII Div.1
LAV	Plug	5/8" UNF	M28x1,5	-	0,025÷2,5	6	Hydrogenated Nitrile (HNBR) -30 / +130°C	Y = PVC		F = PED 97/23/CE according to PD 5500
AMP	-	5/8" UNF	M28x1,5	-	0,5	6B *	Nitrile for low temperatures (NBRBT) -40 / +70°C	PP = Polypropylene*		G = GOST R (Russia)
BPL	-	5/8" UNF	-	-	1,5÷12	7	Hydrocarbonproof Nitrile (NBR) -15 / +80°C	PVD = PVDF		H = ML (China)
SPM	-	5/8" UNF	-	-	0,8÷1,5	8	Epiclorohydrin (ECO) -30 / +120°C	XS = F51 (SAF 2205)		
SL	-	5/8" UNF	-	-	1,5÷55	9 *	Silicon rubber (VMQ) -20 / +150°C	XS2507 = F53 (SAF 2507)		
SI	-	5/8" UNF	-	-	0,2÷55	10	Fluorated rubber (FKM) -10 / +150°C	PTX = PTFE + s.s. reinforcement*		
APT	-	5/8" UNF	-	-	0,1÷5	10G **	Viton® GLT -35 / +150°C	H = Hastelloy		
APTL	-	5/8" UNF	-	-	0,1÷15	11	Acrylic rubber (ACM) -20 / +150°C	T = Titanium		
APTD	-	5/8" UNF	-	-	3÷12	13 *	Polytetrafluorethylene + Butyl (PTFE+BTILE) -20 / +100°C	I625 = Inconel 625		
ASM	-	5/8" UNF	-	-	On request	14 ***	Stainless steel (AISI 316L) -150 / +600°C			
ASP	-	5/8" UNF	-	-	On request	15 *	Polytetrafluorethylene + Fluorated rubber (PTFE+FMK) -10 / +140°C			
LS	-	5/8" UNF	-	-	On request	16 *	Polytetrafluorethylene + Ethilene-propylene (PTFE+EPDM) -20 / +130°C			
LAVS	-	5/8" UNF	-	-	On request	17 *	Polytetrafluorethylene (TFM) -20 / +140°C			
LASSX	-	5/8" UNF	-	-	On request	18	Fluorated rubber (FKM) -40 / +150°C			
BA	-	5/8" UNF	-	-	100÷5500	19 *	Silicon + Ethilene-propylene (PTFE+EPDM) -20 / +130°C			
APV	-	5/8" UNF	-	-	0,025÷12	20 ****	Polythylene Chlorine Sulphorate (CSM) -20 / +150°C			
PAM	-	5/8" UNF	-	-	0,4÷80	21 *	Polytetrafluorethylene + Standard Nitrile (PTFE+NBR) -15 / +80°C			
						23 *****	Polyurethane -20 / +120°C			
						SMX ***	Stainless steel bellow (SMX) -150 / +600°C			
						SP ***	Polytetrafluorethylene bellow (SP) -20 / +140°C			



* Also available for food applications
 ** LA, SI and SL types excluded
 *** For ASM and ASP only
 **** For APT and APTD only
 ***** For BA only

Il numero dei cicli è inversamente proporzionale all'aumentare del rapporto di compressione / The number of cycles is inversely proportional with the increase of the pressure relationship
 Le numero des cycles est inversement proportionnel à l'augmentation du rapport de pression / Di Nummer der Lastzahlen ist umgekehrt proportional mit die Erhöhung des Druckverhältniis.
 I dati contenuti in questo prospetto sono forniti a titolo indicativo e possono essere modificati senza preavviso / Contents of this catalogue are only indicative and may be changed without notice.
 Les informations de ce catalogue sont seulement indicatifs et peuvent être changées sans notice / Die Daten in diesem Katalog sind freibleibend und können ohne Meldung geändert werden.