Specials

BA type

Accumulatori a sacca sostituibile

Caratteristiche tecniche

Pressione di esercizio:	max. 30/50 bar
Precarica gas (solo azoto):	max. 90% P min. di esercizio
Rapporto pressione ammessa:	max. ≤ 2/1
Temperatura di esercizio:	-15 +80℃
Montaggio:	orizzontale o verticale con valvola gas rivolta verso l'alto

Caratteristiche costruttive standard

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

Accumulator with exchangeable bladder

Technical data

Operating pressure:	max. 30/50 bar
Gas filling (nitrogen only):	max. 90% of min. operating pressure
Admissible pressure ratio:	max. ≤ 2/1
Operating temperature:	-15 +80℃
Mounting:	horizontal or vertical with gas valve upwards

Standard construction characteristics

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

B

Dimensioni • Dimensions • Abmessungen

		Stainless Steel	Carbon Steel					
Tipo	Volume	Pressione		Attacco lato liquido	Valvola gas	A	ØB	Peso
Type		Pressure		P.F.C.	Gas valve			Weight
	cm³	max bar		E	Tappo Plug Bouton Zapfen	mr		kg
BA 100	100000	30	50	8" ANSI 150	5/8" UNF	1227	406,4	205
BA 150	150000	30	50	8" ANSI 150	5/8" UNF	1527	406,4	220
BA 200	200000	30	50	8" ANSI 150	5/8" UNF	1955	406,4	235
BA 300	300000	30	50	8" ANSI 150	5/8" UNF	2855	406,4	313
BA 500	500000	30	50	8" ANSI 150	5/8" UNF	1759,4	609,6	420
BA 600	600000	30	50	8" ANSI 150	5/8" UNF	2260	609,6	420
BA 5000	5000000	30	50	8" ANSI 150	5/8" UNF	3843,7	1520	200
BA 5500	5500000	30	50	8" ANSI 150	5/8" UNF	5445,95	1316	210
Type		Pression		Connection fluide	Valve pour Gaz			Poids
Typ	Volume	Druck		Medium Anschluss	Gasventil	A	ØB	Gewicht

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

		Stainless Steel	Carbon Steel
Tipo	Sacca	Valvola gas	
Type	Bladder	Gas valve	
	❶	❷	
BA 100	MEMBA100*	VALPRE58X	VALPRE580
BA 150	MEMBA150*	VALPRE58X	VALPRE580
BA 200	MEMBA200*	VALPRE58X	VALPRE580
BA 300	MEMBA300*	VALPRE58X	VALPRE580
Type	Vessie	Valve de gonflage	
Typ	Blase	Gasventil	

		Stainless Steel	Carbon Steel
Tipo	Sacca	Valvola gas	
Type	Bladder	Gas valve	
	❶	❷	
BA 500	MEMBA500*	VALPRE58X	VALPRE580
BA 600	MEMBA600*	VALPRE58X	VALPRE580
BA 5000	MEMBA5000*	VALPRE58X	VALPRE580
BA 5500	MEMBA5500*	VALPRE58X	VALPRE580
Type	Vessie	Valve de gonflage	
Typ	Blase	Gasventil	

Accumulateur avec vessie remplaceable

Caractéristiques techniques

Pression de travail:	max. 30/50 bar
Gonflage (uniquement azote):	max. 90% de la pression de travail inférieure
Rapport de pression admissible:	max. ≤ 2/1
Temperature de travail:	-15 +80℃
Montage:	indifférente horizontal ou vertical avecraccordement gaz vers dessus

Caractéristiques constructives standard

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

Druckspeicher mit Auswechselbarer Blase

Technische Angaben

Betriebsdruck:	max. 30/50 bar
Gasfüllung:	max. 90% vom min. Betriebsdruck
(Ausschließlich Stickstoff)	
Zugelassenes Druckverh:	max. ≤ 2/1
Betriebstemperaturbereich:	-15 +80℃
Montage:	beliebig Waagrecht oder Senkrecht mit Gasventil nach oben

Standard Konstruktionsmerkmale

Gehäuse:	Schmiedestahl E
delstahl AISI 316L Blase:	nach Medium Gasanschlu
Anstrich:	

Dutch Hydraulic Consultants

STANDAARD ACCUMULATOREN

H·T HANSA · TMP

LS type

Smorzatore di pulsazioni con membrana sostituibile

Caratteristiche tecniche

Pressione di esercizio:	max 1000 bar
Precarica gas (solo azoto):	max 90% P. min. di esercizio
Rapporto pressione ammessa:	max ≤ 6/1
Temperatura di esercizio:	-15 +80℃
Montaggio:	orizzontale o verticale con valvola rivolta verso l'alto

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
Collaudo:	a richiesta
Verniciatura:	fondo antiruggine (solo per acciaio al carbonio)
Note:	volumi e pressioni a richiesta

Pulsation damper with exchangeable diaphragm

Technical data

Operating pressure:	max 1000 bar
Gas filling (nitrogen only):	max 90% of min. operating pressure
Admissible pressure ratio:	max ≤ 6/1
Operating temperature:	-15 +80℃
Mounting:	horizontal oe vertical with gas valve upwards

Standard construction characteristics

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

Amortisseure de pulsations avec membrane remplaceable

Caractéristiques techniques

Pression de travail:	max 1000 bar
Gonflage (uniquement azote):	max 90% de la pression de travail inférieure
Rapport de pression admissible:	max ≤ 6/1
Temperature de travail:	-15 +80℃
Montage:	indifférente horizontal ou vertical avec raccordement gaz vars dessus

Caractéristiques constructives standard

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

Pulsations daempfer mit Auswechselbarer Membran

Technische Angaben

Betriebsdruck:	max. 1000 bar
Gasfüllung:	max 90% vom min. Betriebsdruck (Ausschließlich Stickstoff)
Zugelassenes Druckverh:	max ≤ 6/1
Betriebstemperaturbereich:	-15 +80℃
Montage:	beliebig Waagrecht oder Senkrecht mit Gasventil nach oben

Standard Konstruktionsmerkmale

Gehäuse:	Schmiedestahl Edelstahl AISI 316L
Membran:	nach Medium
Gasanschluss:	5/8" UNF Variante 1
Anstrich:	Rostschütz
(allein Schmiedestahl) Abnahme:	Auf Anfrage
Achtung:	volumen und druck auf anfrage

ASP type

Smorzatore di pulsazioni con soffietto in PTFE

Caratteristiche tecniche

Pressione di esercizio:	max. 35 bar
Precarica gas (solo azoto):	max. 90% P min. di esercizio
Temperatura di esercizio:	-20 +140℃ Montaggio: orizzontale o verticale con valvola rivolta verso l'alto

Caratteristiche costruttive standard

Costruzione corpo:	acciaio al carbonio acciaio inox AISI 316L
Soffietto:	PTFE
Valvola attacco gas:	5/8" UNF versione 1
Verniciatura:	fondo antiruggine (solo per acciaio al carbonio)
Collaudo:	a richiesta
Note:	volumi a richiesta

Pulsation damper with PTFE bellows

Technical data

Operating pressure:	max. 35 bar
Gas filling (nitrogen only):	according the operating pressure and temperature
Operating temperature:	-20 +140℃
Mounting:	horizontal oe vertical with gas valve upwards

Standard construction characteristics

Material of body:	carbon steel sta
inless steel AISI 316L Bellows:	PT
FE	
Gas connection valve:	5/8" UNF version 1
Painting:	anti-rust
primer (only carbon steel) Test:	on request
Attention:	volume on request

Amortisseure de pulsations avec souflette PTFE

Caractéristiques techniques

Pression de travail:	max. 35 bar
Gonflage (uniquement azote):	selon pression et temperature de service
Temperature de travail:	-20 +140℃
Montage:	indifférente horizontal ou vertical avec raccordement gaz vars dessus

Caractéristiques constructives standard

Corps:	acier au carbone forgé acier inoxydable AISI 316L
Souflette:	PTFE
Valve de gonflage:	5/8" UNF exécution 1
Protection:	primer anti-rouille (seulement acier aù carbone forgé)
Réception:	sur demande
Attention:	volume sur demande

Pulsations daempfer mit PTFE faltenbals

Technische Angaben

Betriebsdruck:	max. 35 bar
Gasfüllung und temperatur (Ausschließlich Stickstoff):	Je nach betriebsdruck
Betriebstemperaturbereich: -20 +140℃	
Montage:	beliebig Waagrecht oder Senkrecht mit

ASM type

Smorzatore di pulsazioni con soffietto metallico

Caratteristiche tecniche

Precarica gas (solo azoto):	in funzione della Pressione di esercizio e temperatura
Temperatura di esercizio:	-150 +600℃
Montaggio:	orizzontale o verticale con valvola rivolta verso l'alto

Caratteristiche costruttive standard

Costruzione corpo:	acciaio al carbonio acciaio inox AISI 316L
Soffietto:	AISI 316L
Valvola attacco gas:	5/8" UNF versione 1
Verniciatura:	fondo antiruggine (solo per acciaio al carbonio)
Collaudo:	a richiesta
Note:	volumi e pressioni a richiesta

Pulsation damper with metal bellows

Technical data

Gas filling (nitrogen only):	according the operating pressure and temperatur e
Operating temperature:	-150 +600℃
Mounting:	horizontal oe vertical with gas valve upwards

Standard construction characteristics

Material of body:	carbon steel st ainless steel AISI 316L
Bellows:	Al SI 316L
Gas connection valve:	5/8" UNF version 1
Painting:	anti-rust primer (only carbon steel) Test: on request
Attention:	volume and pressure on request

Amortisseure de pulsations avec souflette metalique

Caractéristiques techniques

Gonflage (uniquement azote):	selon pression et temperature de service
Temperature de travail:	-150 +600℃
Montage:	indifférente horizontal ou vertical avec raccordement gaz vars dessus

Caractéristiques constructives standard

Corps:	acier au carbone forgé acier inoxydable AISI 316L
Souflette:	AISI 316L
Valve de gonflage:	5/8" UNF exécution 1
Protection:	primer anti-rouille (seulement acier aù carbone forgé)
Réception:	sur demande
Attention:	volume et pression sur demande

Pulsations daempfer mit metal faltenbals

Technische Angaben

Gasfüllung und temperatur (Ausschließlich Stickstoff):	Je nach betriebsdruck
Betriebstemperatu rbereich: -150 +600℃	
Montage:	beliebig

APTD type

Smorzatore di pulsazioni passante con 2 membrana in PTFE sostituibili

Caratteristiche tecniche

Pressione di esercizio:	max. 30 bar
Precarica gas (solo azoto):	max. 90% P min. di esercizio
Rapporto pressione ammessa:	max. ≤ 10/1
Temperatura di esercizio:	-20 +140℃
Montaggio:	in linea

Caratteristiche costruttive standard

Costruzione corpo:	acciaio inox AISI 316L
Membrana:	PTFE
Valvola attacco gas:	5/8"UNF versione 1
Collaudo:	a richiesta
Disponibile anche per Pmax:	60/100/400 bar

Through pulsation damper with 2 exchangeable PTFE diaphragms

Technical data

Operating pressure:	max. 30 bar
Gas filling (nitrogen only):	max. 90% of min. operating pressure
Admissible pressure ratio:	max. ≤ 10/1
Operating temperature:	-20 +140℃
Mounting:	in line

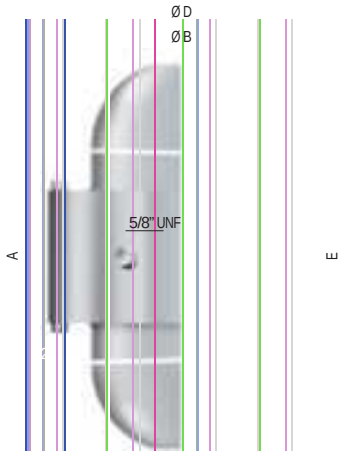
Standard construction characteristics

Material of body:	stainless steel AISI 316L
Diaphragm:	PTFE
Gas connection valve:	5/8"UNF version 1
Test:	on request
Also available for Pmax :	60/100/400 bar

Dimensioni* • Dimensions* • Abmessungen*

Tipo	Volume	Pressione	Attacco lato liquido	Valvola gas	A	ØB	ØD
Type		Pressure	P.F.C.	Gas valve			
	cm^3	max bar	E			mm	
APTD3	3000	30	1" GAS	5/8" UNF	310	177	280
APTD5	5000	30	1"1/2 GAS	5/8" UNF	430	177	280
APTD7.5	7500	30	2" GAS	5/8" UNF	440	202	300
APTD10	10000	30	2" GAS	5/8" UNF	520	202	300
APTD12	12000	30	2" GAS	5/8" UNF	620	202	300
Type		Pression	Connection fluide	Valve pour Gaz			
Typ	Volume	Druck	Medium Anschluss	Gasventil	A	ØB	ØD

* Altri volumi tra 0.1 e12 litri su richiesta • Other volumes between 0.1 and 12 litres available on request • Autres volumes entre 0.1 et 12 litres disponibles sur demande • Weitere Volumen zwischen 0.1 und 12 Liter auf Anfrage zur Verfügung



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

Tipo	Membrana	Valvola gas	Serie guarnizioni
Type	Diaphragm	Gas valve	Gasket kit
	❶	❷	❸
APTD3	MEMPTFE230	VALPRE58X	OR4875VIT
APTD5	MEMPTFE230	VALPRE58X	OR4875VIT
APTD7.5	MEMPTFE230	VALPRE58X	OR4875VIT
APTD10	MEMPTFE230	VALPRE58X	OR4875VIT
APTD12	MEMPTFE230	VALPRE58X	OR4875VIT
Type	Membrane	Valve de gonflage	Etanchéité
Typ	Membran	Gasventil	Dichtungen

Amortisseur de pulsations à flux passant avec 2 membranes en PTFE remplaceables

Caractéristiques techniques

Pression de travail:	max. 30 bar
Gonflage (uniquement azote):	max. 90% de la pression de travail inférieure
Rapport de pression admissible:	max. ≤ 10/1
Temperature de travail:	-20 +140℃
Montage:	en ligne

Caractéristiques constructives standard

Corps:	acier inoxydable AISI 316L
Membrane:	PTFE
Valve de gonflage:	5/8"UNF exécution 1
Réception:	sur demande
Aussi disponible pour Pmax:	60/100/400 bar

DurchstromenterPulsationsdämpfer mit 2 Auswechselbare PTFE Membrane

Technische Angaben

Betriebsdruck:	max. 30 bar
Gasfüllung:	max. 90% vom min. Betriebsdruck (Ausschließlich Stickstoff)
Zugelassenes Druckverh:	max. ≤ 10/1
Betriebstemperaturbereich:	-20 +140℃
Montage:	in Linie

Standard Konstruktionsmerkmale

Gehäuse:	Edelstahl AISI 616L Memb
Abnahme:	Auf Anfrage
Auch lieferbar für Pmax:	60/100/400 bar

APTD type

1) Camicia di riscaldamento/raffreddamento

Chemise de rechaufement/rafraichement

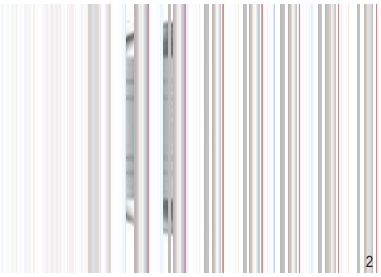
1

1) Heating/cooling jacket

Heiz-/Kuehlmante

2) Segnalatore di rottura membrana

Indication rupture membrane



2

2) Invication of diaphragm rupture

Membranbruch Angabe

3) Elettropulitura interna con liquido di separazione (compatibile con il liquido pompato) per applicazioni alimentari

Electrofinissage de l'intérieur et liquide de séparation (compatible avec le liquide pompé) pour applications alimentaires et en pharma

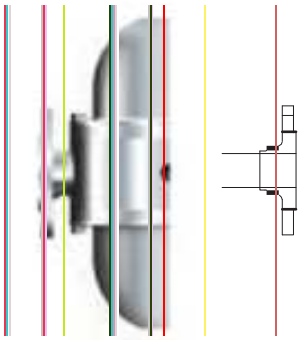
3

3) Electropolish of the inside surface and separating liquid (adapted to process liquid) for food and pharma applications

Elektropolierung und Trennfluessigkeit (Vertragbar fuer Medium) fuer Naehrungs- und Pharma Anwendungen

4) Flangiato: UNI, DIN EN 1092-1, ANSI, API e ASETTICHE (alimentari o farmaceutici)

Avec brides: UNI, DIN EN 1092-1, ANSI, API et Stérile (alimentaire et pharma)



4) Flanged: UNI, DIN EN 1092-1, ANSI, API and ASEPTIC (food or pharma)

Mit Flanschen: UNI, DIN EN 1092-1, ANSI, API und Sterilflanschen (fuer Naehrungsmittel und Pharma)

Nota: Tutte le opzioni sopra elencate possono essere realizzate anche su un solo smorzatore

Attention: Tous les options indiqués peuvent etre appliqués sur le mème amortisseur

Note: All optionns can be applied also to the same damper

Achtung: Allen aufgefuehrten Sondersachen koennen auch auf den gleichen Daempfer verwendet werden

APT type

Smorzatore di pulsazioni con membrana in PTFE sostituibile

Caratteristiche tecniche

Pressione di esercizio:	max. 30 bar
Precarica gas (solo azoto):	max. 90% P min. di esercizio
Rapporto pressione ammessa:	max. ≤ 10/1
Temperatura di esercizio:	-20 +140℃
Montaggio:	orizzontale o verticale con valvola gas rivolta verso l'alto

Caratteristiche costruttive standard

Costruzione corpo:	acciaio AISI 316L
Membrana:	PTFE
Valvola attacco gas:	5/8"UNF versione 1
Collaudo:	a richiesta
Disponibile anche per P_{max}:	60/100/400 bar

Pulsation damper with exchangeable PTFE diaphragm

Technical data

Operating pressure:	max. 30 bar
Gas filling (nitrogen only):	max. 90% of min. operating pressure
Admissible pressure ratio:	max. ≤ 10/1
Operating temperature:	-20 +140℃
Mounting:	horizontal or vertical with gas valve upwards

Standard construction characteristics

Material of body:	stainless steel AISI 316L
Diaphragm:	PTFE
Gas connection valve:	5/8"UNF version 1
Test:	on request
Also available for P_{max}:	60/100/400 bar

Dimensioni* • Dimensions* • Abmessungen*

Tipo	Volume	Pressione	Attacco lato liquido	Valvola gas	A	ØB	ØD	Peso	Fig
Type		Pressure	P.F.C.	Gas valve				Weight	
	cm^3	max bar	E			mm		kg	
APT 0.1	100	30	1/2" GAS	5/8" UNF	87		200	14,6	I
APT 0.35	350	30	1/2" GAS	5/8" UNF	107		200	14,6	I
APT 0.5	500	30	1/2" GAS	5/8" UNF	107,2		250	14,75	II
APT 0.75	750	30	1/2" GAS	5/8" UNF	117,2		250	15,75	II
APT 1	1000	30	3/4" GAS	5/8" UNF	171	177	230	13,05	III
APT1.5	1500	30	3/4" GAS	5/8" UNF	171	177	230	13,05	III
APT3	3000	30	1"1/2 GAS	5/8" UNF	229	177	230	33,9	III
APT5	5000	30	1"1/2 GAS	5/8" UNF	290	202	300	37,55	III
Type		Pression	Connection fluide	Valve pour Gaz				Poids	
Typ	Volume	Druck	Medium Anschluss	Gasventil	A	ØB	ØD	Gewicht	

* Altri volumi su richiesta • Other volumes on request • Autres volumes sur demande • Weitere Volumen auf Anfrage zur Verfügung.

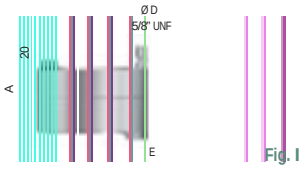


Fig. I

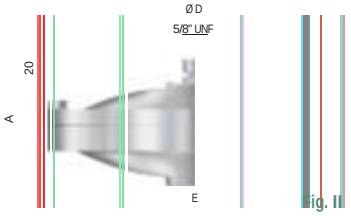


Fig. II

Fig. III

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

Tipo	Membrana	Valvola gas	Serie guarnizioni
Type	Diaphragm	Gas valve	Gasket kit
	❶	❷	❸
APT 0.1	MEMPTFE164	VALPRE58X	-
APT 0.35	MEMPTFE164	VALPRE58X	-
APT 0.5	MEMPTFE230	VALPRE58X	-
APT 0.75	MEMPTFE230	VALPRE58X	-
APT 1	MEMPTFE180	VALPRE58X	-
APT1.5	MEMPTFE180	VALPRE58X	OR3750VIT
APT3	MEMPTFE180	VALPRE58X	OR3750VIT
APT5	MEMPTFE230	VALPR58X	OR4875VIT
Type	Membrane	Valve de gonflage	Etanchéité
Typ	Membran	Gasventil	Dichtungen

Amortisseur de pulsations avec membrane en PTFE remplaceable

Caractéristiques techniques

Pression de travail:	max. 30 bar
Gonflage (uniquement azote):	max. 90% de la pression de travail inférieure
Rapport de pression admissible:	max. ≤ 10/1
Temperature de travail:	-20 +140℃
Montage:	indifférente horizontal ou vertical avecraccordement gaz vers dessus

Caractéristiques constructives standard

Corps:	acier inoxydable AISI 316L
Membrane:	PTFE
Valve de gonflage:	5/8"UNF exécution 1
Réception:	sur demande
Aussi disponible pour P_{max}:	60/100/400 bar

Pulsationsdämpfer mit Auswechselbarer PTFE Membran

Technische Angaben

Betriebsdruck:	max. 30 bar
Gasfüllung:	max. 90% vom min. Betriebsdruck (Ausschließlich Stickstoff)
Zugelassenes Druckverh:	max. ≤ 10/1
Betriebstemperaturbereich:	-20 +140℃
Montage:	beliebig Waagrecht oder Senkrecht mit Gasventil nach oben

Standard Konstruktionsmerkmale

Gehäuse:	Edelstahl AISI 316L Memb

As HANSA-TMP has a very extensive range of products and some products have a variety of applications, the information supplied may often only apply to specific situations.

If the catalogue does not supply all the information required, please contact HANSA-TMP.

In order to provide a comprehensive reply to queries we may require specific data regarding the proposed application.

Whilst every reasonable endeavour has been made to ensure accuracy, this pub-

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