



# AKUMULATORY HYDRAULICZNE AKUMULATORY PĘCHERZOWE

## ACCUMULATORE IDROPNEUMATICO

Gli accumulatori permettono l'accumulo di liquidi in pressione, essendo questi ultimi praticamente incompressibili.

L'accumulatore trattiene, immagazzina e restituisce fluido in pressione, basandosi sulla differenza di compressione che si crea tra gas e liquido.

### PERCHE' UTILIZZARE L'ACCUMULATORE?

L'accumulatore migliora le caratteristiche dell'intero sistema, generando i seguenti vantaggi:

- miglioramento delle funzioni;
- allungamento della vita di esercizio;
- riduzione dei costi di esercizio e manutenzione;
- riduzione delle pulsazioni e dei rumori.

## HIDROPNEUMATIC ACCUMULATOR

Accumulators allow fluid accumulation under pressure, the latter being practically incompressible.

The accumulator holds, stores, and returns fluid under pressure, based on the difference of compression that is created between gas and liquid.

### WHY USE ACCUMULATOR?

The accumulator improves characteristics of entire system, generating the following advantages:

- improvement of functions;
- lengthening of working life;
- reducing cost of operation and maintenance;
- reduction pulse and noise.

## FUNZIONAMENTO ACCUMULATORE A SACCA

**V0** = Volume di azoto nell'accumulatore

**V1** = Volume gas alla minima pressione idraulica

**V2** = Volume gas alla massima pressione idraulica

**ΔV** = Restituzione / stoccaggio tra P1 e P2

**P0** = Precarica iniziale accumulatore

**P1** = Pressione gas alla minima pressione idraulica

**P2** = Pressione gas alla massima pressione idraulica

## BLADDER ACCUMULATOR WORKING

**V0** = Capacity in nitrogen of the accumulator

**V1** = Gas volume at the minimum hydraulic pressure

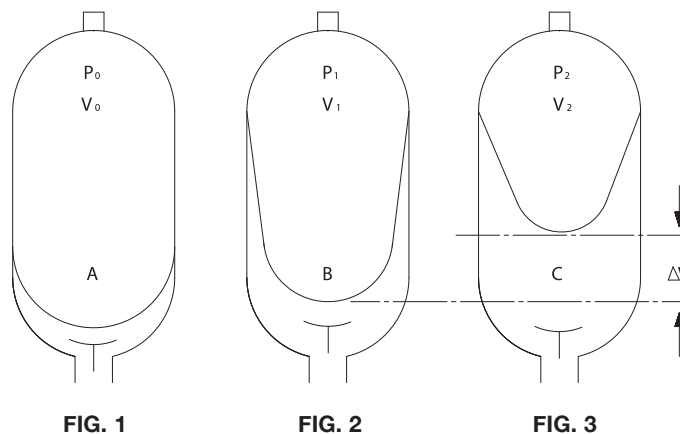
**V2** = Gas volume at the maximum hydraulic pressure

**ΔV** = Returned and/or stored volume between P1 and P2

**P0** = Initial preload of the accumulator

**P1** = Gas pressure at the minimum hydraulic pressure

**P2** = Gas pressure at the maximum hydraulic pressure



**FIG. 1** - grazie alla grande comprimibilità / capacità di compressione dei gas, la sacca montata all'interno del corpo di un accumulatore viene pre-caricata con azoto.

**FIG. 1** - thanks to the large compressibility / compression capacity of gas, bag mounted within body of the accumulator is pre-charged with nitrogen.

**FIG. 2** - aggiungendo del liquido in pressione nell'accumulatore, otteniamo una compressione dell'azoto all'interno della sacca.

**FIG. 2** - adding liquid under pressure in the accumulator, we obtain a compression of the nitrogen inside the bag.

**FIG. 3** - il volume gassoso diminuisce aumentando la pressione e mantenendo in liquido in pressione.

**FIG. 3** - the volume of gas decreases by increasing the pressure and keeping the liquid under pressure.

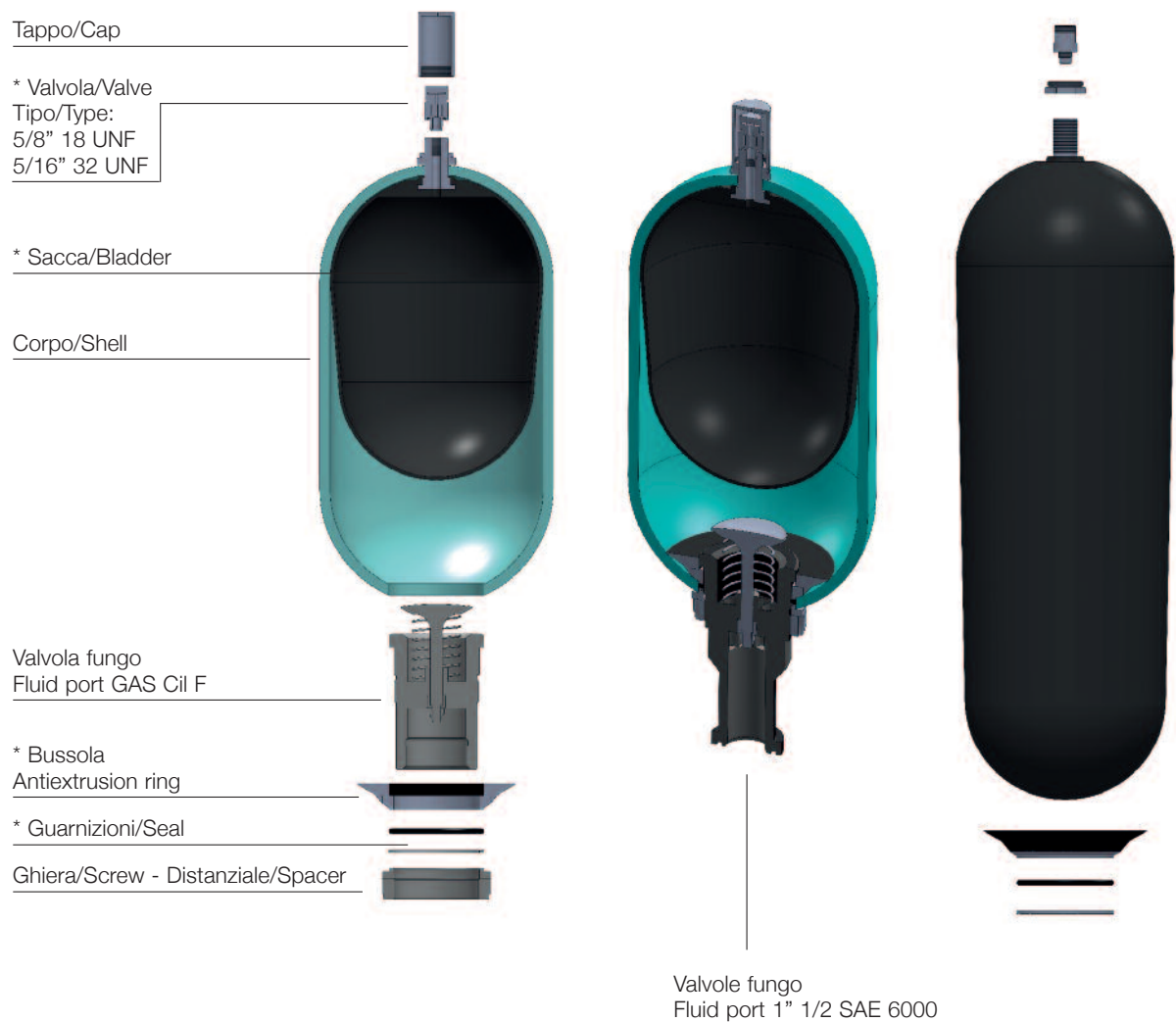
# Accumulatori a sacca Bladder accumulators



L'accumulatore a sacca riparabile è composto da un corpo forgiato o saldato in acciaio al carbonio o acciaio inox, una sacca sostituibile, una valvola connessione azoto e una valvola connessione olio completa delle guarnizioni di tenuta. A seconda delle applicazioni, dei fluidi e del paese di destinazione, OMT sarà in grado di suggerire la scelta più idonea, selezionando i suddetti componenti.

Repairable bladder accumulator includes a carbon steel/stainless steel, forged/welded body, a replaceable bladder, a nitrogen valve connection and an oil valve connection with seals.

Depending on application, fluid and country destination, OMT will be able to suggest most appropriate choice concerning these components.



\* Ricambi consigliati  
Suggested spare parts

Tutti gli accumulatori verranno consegnati con sabbiatura a mano di fondo RAL 5005

Su richiesta si possono effettuare cicli di verniciatura a specifica e/o per aree off shore

Volumi fino a 500L pressioni fino a 10000psi

Pressione massima di lavoro fino a 470bar @ 120°C MDMT -45°C

Elastomeri compatibili con ogni tipo di fluido ed esigenza (alcuni esempi)

- elastomero standard T (-15/+100)°C
- elastomero basse temperature T (-28/+80)°C
- elastomero bassissime temperature T (-32/+115)°C
- elastomero in Butile T(-15/+120)°C
- elastomero in Viton T (-20/+140)°C

All accumulators will be delivered with sandblasting treatment and primer RAL 5005

On request will be organize special painting cycle and/to off shore area

Volumes up to 500L pressure up to 10000psi

Maximum working pressure 470bar @ 120°C MDMT -45°C

Elastomer compatible with all fluids and applications type (some examples)

- standard elastomer T (-15/+100)°C
- low Temperature elastomer T (-28/+80)°C
- very Low temperature T (-32/+115)°C
- butyl elastomer T(-15/+120)°C
- Viton elastomer T (-20/+140)°C

## CAMPI DI UTILIZZO

- riserva di energia;
- funzione di emergenza e sicurezza;
- diminuzione delle vibrazioni, antipulsazioni, anticolpo di ariete, sospensioni idrauliche;
- stabilizzazione del flusso di aspirazione (compensatore di energia);
- regolazione del volume del flusso e perdite dovute ad un cambiamento della temperatura in un circuito idraulico chiuso, mantenendone la pressione;
- trasferimenti di pressione;
- accumulatori transfert (fluido/ fluido).

## CHANGES OF USE

- power reserve;
- emergency function and safety;
- reduction of vibrations, Antipulsation, anti-stroke ram, hydraulic suspension;
- stabilization of the flow of intake air (compensator of energy);
- adjusting the volume of flow and losses due to a
- change in temperature in a closed hydraulic circuit, keeping the pressure;
- transfer of pressure;
- accumulators transfer (fluid / fluid).

## MONTAGGIO

Si consiglia il montaggio dell'accumulatore in posizione verticale, con lato olio in basso.  
E' sconsigliato il montaggio verticale, con il lato olio in alto.

## BLADDER ACCUMULATOR WORKING

We recommend vertical position for accumulator fitting, with oil side at the bottom.  
It 's not recommended to mount vertically, with oil side up.

### Su richiesta costruzione personalizzate

CE PED 97/23 cat I / II / III - Modulo A / G  
ATEX  
CU-TR - CoC (ex GOST)  
ARH Algerino  
API 614  
AS1210 Australian Standard  
Canadian Register  
RINA - ABS - LLOYD'S  
NR13

Su richiesta disponibili :

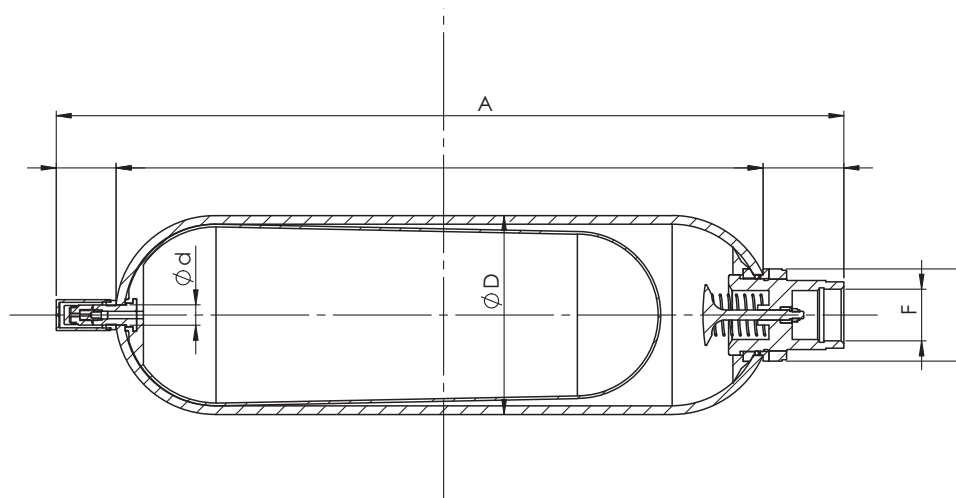
- dischi rottura / valvola lato azoto CE PED
- flange lato impianto a disegno
- spurghi lato impianto aggiuntivi
- connessioni speciali lato fluido BSP/ NPT

### On request special construction

CE PED 97/23 cat I / II / III - Modulo A / G  
ATEX  
CU-TR - CoC (ex GOST)  
ARH Algerino  
API 614  
AS1210 Australian Standard  
Canadian Register  
RINA - ABS - LLOYD'S  
NR13

On request :

- burst disc CE PED / safety valves CE PED
- special oil flanges connection
- special oil drains
- special oil connection BSP / NPT



OMT code EUROPEAN	Description without precharge	Volum "L"	MAWP "Bar"	Nitrogen connection	Oil connection
<b>A-51C-E001NK-DC</b>	ACC. 1 380BAR CE M10X5/8" NBR 3/4"	1	380	5/8" M10x1,5	3/4" gas cil f
<b>A-51C-E02.5NK-CC</b>	ACC. 2.5 350BAR CE M10X5/8" NBR 1 1/4"	2,5	350	5/8" M10x1,5	1"1/4 gas cil f
<b>A-51C-E004NK-CC</b>	ACC. 4 350BAR CE M10X5/8" NBR 1 1/4"	4	350	5/8" M10x1,5	1"1/4 gas cil f
<b>A-51C-E005NK-CC</b>	ACC. 5 350BAR CE M10X5/8" NBR 1 1/4"	5	350	5/8" M10x1,5	1"1/4 gas cil f
<b>A-51C-E006NK-CC</b>	ACC. 6 350BAR CE M10X5/8" NBR 1 1/4"	6	350	5/8" M10x1,5	1"1/4 gas cil f
<b>A-51C-E010NK-AC</b>	ACC. 10 355BAR CE M10X5/8" NBR 2"	10	355	5/8" M10x1,5	2" gas cil f
<b>A-51C-E020NK-AC</b>	ACC. 20 355BAR CE M10X5/8" NBR 2"	20	355	5/8" M10x1,5	2" gas cil f
<b>A-51C-E024.5NK-AC</b>	ACC. 24.5 355BAR CE M10X5/8" NBR 2"	24,5	355	5/8" M10x1,5	2" gas cil f
<b>A-51C-E032NK-AC</b>	ACC. 32 355BAR CE M10X5/8" NBR 2"	32	355	5/8" M10x1,5	2" gas cil f
<b>A-51C-E050NK-AC</b>	ACC. 50 355BAR CE M10X5/8" NBR 2"	50	355	5/8" M10x1,5	2" gas cil f

OMT code	Kg	A mm	D mm	d mm	N2 valv	Fluid port F	Flow max L/min
<b>A-51C-E001NK-DC</b>	6	328	115	22	5/8"	3/4" gas cil f	244
<b>A-51C-E02.5NK-CC</b>	11	548	115	22	5/8"	1"1/4 gas cil f	450
<b>A-51C-E004NK-CC</b>	14	420	169	22	5/8"	1"1/4 gas cil f	450
<b>A-51C-E005NK-CC</b>	19	897	115	22	5/8"	1"1/4 gas cil f	450
<b>A-51C-E006NK-CC</b>	20	559	170	22	5/8"	1"1/4 gas cil f	450
<b>A-51C-E010NK-AC</b>	30	568	219	22	5/8"	2" gas cil f	900
<b>A-51C-E020NK-AC</b>	50	888	219	22	5/8"	2" gas cil f	900
<b>A-51C-E024.5NK-AC</b>	53	1028	219	22	5/8"	2" gas cil f	900
<b>A-51C-E032NK-AC</b>	80	1380	219	22	5/8"	2" gas cil f	900
<b>A-51C-E050NK-AC</b>	100	1885	219	22	5/8"	2" gas cil f	900

OMT code EUROPEAN	Description without precharge	Volum "L"	MAWP "Psi/Bar"	Nitrogen connection	Oil connection
<b>A-51CEU010NK-AC</b>	ACC. 10 3000Psi U STAMP M10X5/8" NBR 2"	10	3000/320	5/8" M10x1,5	2" gas cil f
<b>A-51CEU020NK-AC</b>	ACC. 20 3000Psi U STAMP M10X5/8" NBR 2"	20	3000/320	5/8" M10x1,5	2" gas cil f
<b>A-51CEU024.5NK-AC</b>	ACC. 24.5 3000Psi U STAMP M10X5/8" NBR 2"	24,5	3000/320	5/8" M10x1,5	2" gas cil f
<b>A-51CEU032NK-AC</b>	ACC. 32 3000Psi U STAMP M10X5/8" NBR 2"	32	3000/320	5/8" M10x1,5	2" gas cil f
<b>A-51CEU050NK-AC</b>	ACC. 50 3000Psi U STAMP M10X5/8" NBR 2"	50	3000/320	5/8" M10x1,5	2" gas cil f

OMT code EUROPEAN	Description without precharge	Volum "L"	MAWP "Psi"	Nitrogen connection	Oil connection
<b>A-51C4U010NK-AC</b>	ACC. 10 4000Psi U STAMP M10X5/8" NBR 2"	10	4000	5/8" M10x1,5	2" gas cil f
<b>A-51C4U020NK-AC</b>	ACC. 20 4000Psi U STAMP M10X5/8" NBR 2"	20	4000	5/8" M10x1,5	2" gas cil f
<b>A-51C4U024.5NK-AC</b>	ACC. 24.5 4000Psi U STAMP M10X5/8" NBR 2"	24,5	4000	5/8" M10x1,5	2" gas cil f
<b>A-51C4U032NK-AC</b>	ACC. 32 4000Psi U STAMP M10X5/8" NBR 2"	32	4000	5/8" M10x1,5	2" gas cil f
<b>A-51C4U050NK-AC</b>	ACC. 50 4000Psi U STAMP M10X5/8" NBR 2"	50	4000	5/8" M10x1,5	2" gas cil f

OMT code	Description without precharge	Volum "L"	MAWP "Psi"	Nitrogen connection	Oil connection
<b>A-51C6U010NK-AC</b>	ACC. 10 6666Psi U STAMP M10X5/8" NBR 2"	10	6666	5/8" M10x1,5	2" gas cil f
<b>A-51C6U020NK-AC</b>	ACC. 20 6666Psi U STAMP M10X5/8" NBR 2"	20	6666	5/8" M10x1,5	2" gas cil f
<b>A-51C6U024.5NK-AC</b>	ACC. 24.5 6666Psi U STAMP M10X5/8" NBR 2"	24,5	6666	5/8" M10x1,5	2" gas cil f
<b>A-51C6U032NK-AC</b>	ACC. 32 6666Psi U STAMP M10X5/8" NBR 2"	32	6666	5/8" M10x1,5	2" gas cil f
<b>A-51C6U050NK-AC</b>	ACC. 50 6666Psi U STAMP M10X5/8" NBR 2"	50	6666	5/8" M10x1,5	2" gas cil f

OMT code EUROPEAN	Description without precharge	Volum "L"	MAWP "Psi"	Nitrogen connection	Oil connection
<b>A-51C1U010NK-AC</b>	ACC. 10 10000Psi U STAMP M10X5/8" NBR 2"	10	10000	5/8" M10x1,5	2" gas cil f
<b>A-51C1U020NK-AC</b>	ACC. 20 10000Psi U STAMP M10X5/8" NBR 2"	20	10000	5/8" M10x1,5	2" gas cil f
<b>A-51C1U024.5NK-AC</b>	ACC. 24.5 10000Psi U STAMP M10X5/8" NBR 2"	24,5	10000	5/8" M10x1,5	2" gas cil f
<b>A-51C1U032NK-AC</b>	ACC. 32 10000Psi U STAMP M10X5/8" NBR 2"	32	10000	5/8" M10x1,5	2" gas cil f
<b>A-51C1U050NK-AC</b>	ACC. 50 10000Psi U STAMP M10X5/8" NBR 2"	50	10000	5/8" M10x1,5	2" gas cil f

OMT code	Kg EU/4	Kg 6	Kg 1	D EU/4 mm	D 6 mm	D 1 mm	d mm	N2 valv	Fluid port F	Flow max L/min
<b>A-51C(EU4/6/1)010NK-AC</b>	30	36	95	219	245	267	22	5/8"	2" gas cil f	900
<b>A-51C(EU4/6/1)020NK-AC</b>	50	54	134	219	245	267	22	5/8"	2" gas cil f	900
<b>A-51C(EU4/6/1)024.5NK-AC</b>	53	75	170	219	245	267	22	5/8"	2" gas cil f	900
<b>A-51C(EU4/6/1)032NK-AC</b>	80	100	227	219	245	267	22	5/8"	2" gas cil f	900
<b>A-51C(EU4/6/1)050NK-AC</b>	100	138	318	219	245	267	22	5/8"	2" gas cil f	900



OMT code EUROPEAN	Description without precharge	Volum "L"	MAWP "Bar"	Nitrogen connection	Oil connection
<b>A-51C-R001NK-DC</b>	ACC. 1 340BAR CE M10X5/8" NBR 3/4"	1	340	5/8" M10x1,5	3/4" gas cil f
<b>A-51C-R02.5NK-CC</b>	ACC. 2.5 340BAR CE M10X5/8" NBR 1 1/4"	2,5	340	5/8" M10x1,5	1"1/4 gas cil f
<b>A-51C-R004NK-CC</b>	ACC. 4 340BAR CE M10X5/8" NBR 1 1/4"	4	340	5/8" M10x1,5	1"1/4 gas cil f
<b>A-51C-R005NK-CC</b>	ACC. 5 340BAR CE M10X5/8" NBR 1 1/4"	5	340	5/8" M10x1,5	1"1/4 gas cil f
<b>A-51C-R006NK-CC</b>	ACC. 6 340BAR CE M10X5/8" NBR 1 1/4"	6	340	5/8" M10x1,5	1"1/4 gas cil f
<b>A-51C-R010NK-AC</b>	ACC. 10 340BAR CE M10X5/8" NBR 2"	10	340	5/8" M10x1,5	2" gas cil f
<b>A-51C-R020NK-AC</b>	ACC. 20 340BAR CE M10X5/8" NBR 2"	20	340	5/8" M10x1,5	2" gas cil f
<b>A-51C-R024.5NK-AC</b>	ACC. 24.5 340BAR CE M10X5/8" NBR 2"	24,5	340	5/8" M10x1,5	2" gas cil f
<b>A-51C-R032NK-AC</b>	ACC. 32 340BAR CE M10X5/8" NBR 2"	32	340	5/8" M10x1,5	2" gas cil f
<b>A-51C-R050NK-AC</b>	ACC. 50 340BAR CE M10X5/8" NBR 2"	50	340	5/8" M10x1,5	2" gas cil f

OMT code	Kg	A mm	D mm	d mm	N2 valv	Fluid port F	Flow max L/min
<b>A-51C-R001NK-DC</b>	6	328	115	22	5/8"	3/4" gas cil f	244
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<b>A-51C-R005NK-CC</b>	19	897	115	22	5/8"	1"1/4 gas cil f	450
<b>A-51C-R006NK-CC</b>	20	559	170	22	5/8"	1"1/4 gas cil f	450
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<b>A-51C-R024.5NK-AC</b>	53	1028	219	22	5/8"	2" gas cil f	900
<b>A-51C-R032NK-AC</b>	80	1380	219	22	5/8"	2" gas cil f	900
<b>A-51C-R050NK-AC</b>	100	1885	219	22	5/8"	2" gas cil f	900

### Legenda – Composizione codice

A	-	51C	-	E	050	NK	-	AC	x	xx	xx	xx	xx	xx	xx
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**A:** Versione a sacca alta pressione / Bladder version high pressure

**51C:** Acciaio al carbonio / Carbon Steel

**E:** CE PED 97/23 EC

**EU** CE PED 97/23 EC + U Stamp 3000Psi

**U:** U Stamp

**4U:** U Stamp 4000Psi

**6U:** U Stamp 6666Psi

**1U:** U Stamp 10000Psi

**L:** Lloyd's

**EL:** CE PED 97/23 EC+ Lloyd's

**R:** Rina

**ER:** CE PED 97/23 EC + Rina

**Z:** Speciali

**001-050:** Volume in L / Volum L

Tipo di elastomero con gijera in acciaio: Sacca - O ring / Bladder - O Ring

**N:** Perbunan NBR - standard

**B:** Butile

**V:** Viton

**L:** bassa temperatura -28°C / low temperature

**I:** bassissima temperatura -32°C / very low temperature

Tipo valvola azoto / nitrogen gas valve

**K:** 5/8" 18 UNF - M10x1,5 in AISI 304

**J:** 5/8" 18 UNF - 1/2" 20 UNF in AISI 304

**Y:** Minimex P1620 - M10x1,5

**V:** a brugola / screw M28x1,5

**W:** 5/16" - 32 Schreder

Tipo valvola olio standard in acciaio / steel standard oil port valve

**AC:** 2" gas cil F (10-50)L

**BC:** 3/4" gas cil F (10-50)L

**CC:** 1"1/4 gas cil F (2,5-4-5-6)L

**DC:** 3/4" gas cil F (1)L

**S6:** 1"1/2 SAE 6000 (10-50 L)

Tipo valvola olio in acciaio inox 316/L / stainless steel AISI 316/L oil port valve

**AX:** 2" gas cil F (10-50)L

**BX:** 3/4" gas cil F (10-50)L

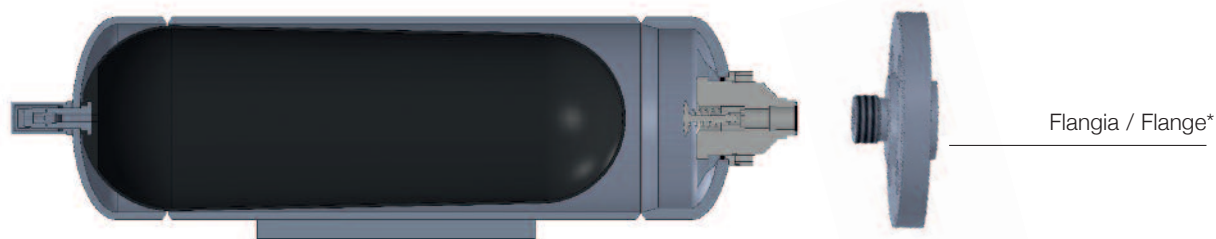
**CX:** 1"1/4 gas cil F (2,5-4-5-6)L

**DX:** 3/4" gas cil F (1)L

**X6:** 1"1/2 SAE 6000 (10-50 L)

Accumulatori a sacca in AISI 316/L  
Bladder stainless steel accumulators  
design Asme VIII div I marked  
(10-50)L 60bar @ T(-40/+150)°C

**DIIT**



**Legenda – Composizione codice**

M	B	U	R	S	10	-	57	-	NK	-	xx	xx	xx	xx
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L : bassa pressione / low pressure  
M : media pressione / medium pressure  
H : alta pressione / high pressure

B : accumulatore a sacca / bladder accumulator

**E:** CE PED 97/23 EC

**U:** U Stamp

**EU:** CE PED 97/23 EC + U STAMP

**L:** Lloyd's

**EL:** CE PED 97/23 EC+ Lloyd's

**R:** Rina

**ER:** CE PED 97/23 EC+ Rina

**Z:** Special

**R:** riparabile / repairable

**S:** acciaio inox 316/L / stainless steel AISI 316/L

**C:** acciaio al carbonio / carbon steel

**01-575:** Volume in L / Volum L (oltre 50L su richiesta / from 50L to 575L on request)

Tipo di elastomero con ghiera acciaio : Sacca - O ring /  
Bladder - O Ring

**N:** Perbunan NBR - standard

**B:** Butile

**V:** Viton

**L:** bassa temperatura -28°C /  
low temperature

**I:** bassissima temperatura -32°C /  
very low temperature

Tipo valvola azoto / nitrogen valve

**K:** 5/8" 18 UNF - M10x1,5 in AISI 304

**J:** 5/8" 18 UNF - 1/2" 20 UNF 1A in AISI 304

**X:** 1/4" BSP - M10x1,5 in AISI 304

**Y:** Minimex M10x1,5 - M28x1,5

**W:** 5/16" - 32 Schreder

Tipo valvola olio in acciaio inox 316/L / stainless steel AISI  
316/L oil port valve

**AX:** 2" gas cil F (10-50)L

**BX:** 3/4" gas cil F (10-50)L

**CX:** 1"1/4 gas cil F (2,5-4-5-6)L

**DX:** 3/4" gas cil F (1)L

**X6:** 1"1/2 SAE 6000 (10-50L)

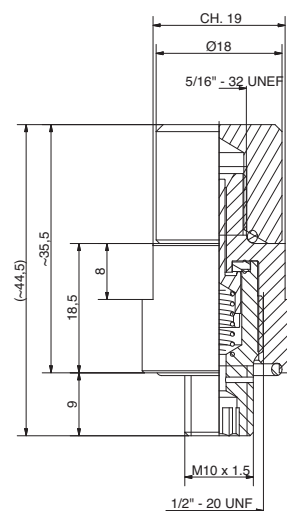
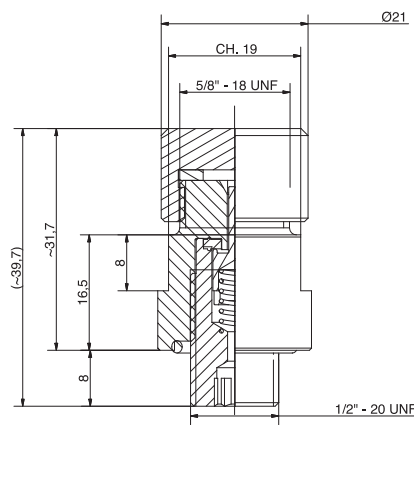
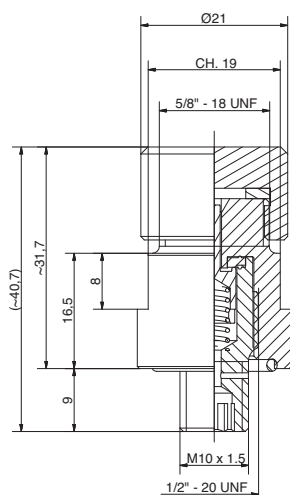
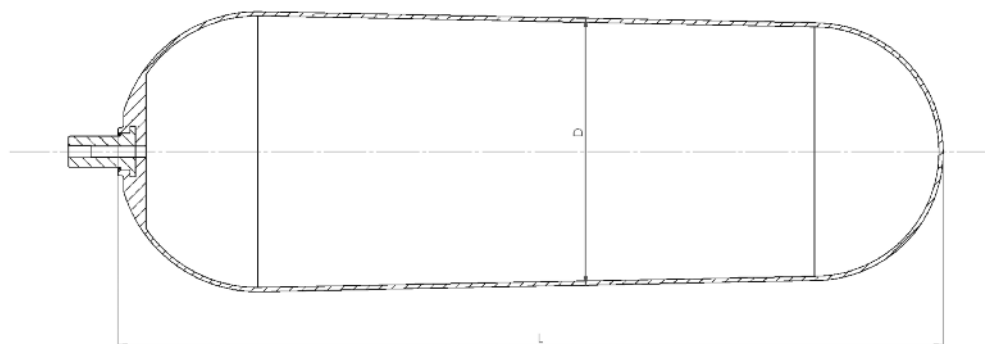
\* Su richiesta flange lato impianto a disegno  
On request special oil flange connection



# Accessori / Accessories

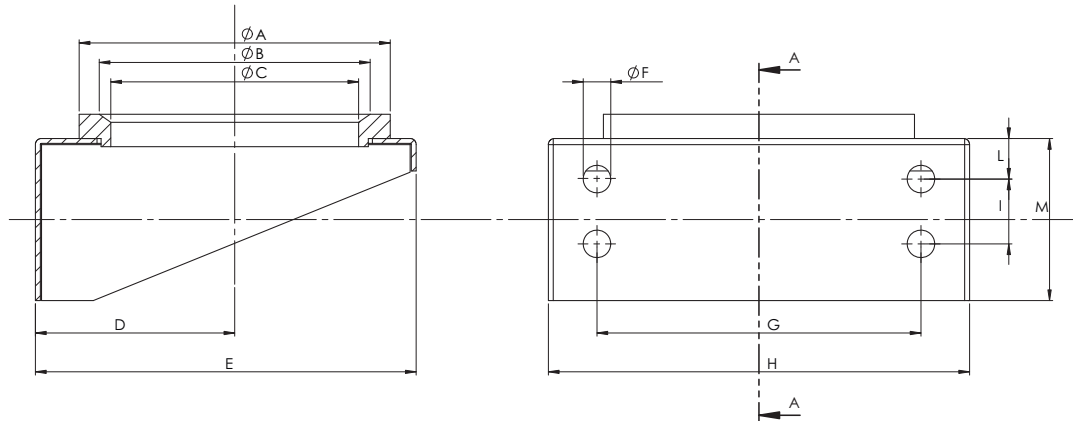
## Sacca con imballo speciale

## Bladder with special package

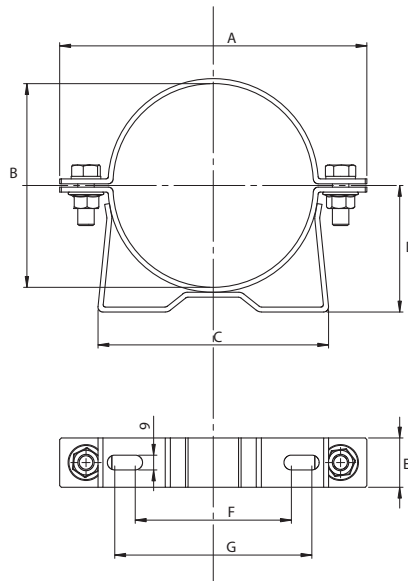


OMT code NBR + 5/8" valve	Description	L (mm)	D	N2 valve connection	Bladder external diameter	standard (NBR)
<b>SACCA-IMB-1-22NK</b>	sacca 1L Diam 22 M10x1,5	149+/-5	100	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-2,5-22NK</b>	sacca 2,5L Diam 22 M10x1,5	331+/-5	100	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-4-22NK</b>	sacca 4L Diam 22 M10x1,5	208+/-10	150	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-5-22NK</b>	sacca 5L Diam 22 M10x1,5	682+/-10	100	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-6-22NK</b>	sacca 6L Diam 22 M10x1,5	426+/-10	150	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-10-22NK</b>	sacca 10L Diam 22 M10x1,5	286+/-10	200	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-10-50NK</b>	sacca 10L Diam 50 M10x1,5	286+/-10	200	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-20-22NK</b>	sacca 20L Diam 22 M10x1,5	590+/-10	200	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-20-50NK</b>	sacca 20L Diam 50 M10x1,5	590+/-10	200	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-24,5-22NK</b>	sacca 24,5L Diam 22 M10x1,5	732+/-10	200	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-24,5-50NK</b>	sacca 24,5L Diam 50 M10x1,5	732+/-10	200	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-32-22NK</b>	sacca 32L Diam 22 M10x1,5	1114+/-15	200	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-32-50NK</b>	sacca 32L Diam 50 M10x1,5	1114+/-15	200	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-50-22NK</b>	sacca 50L Diam 22 M10x1,5	1611+/-15	200	5/8" 18UNF	7/8" 14UNF 1A	-15/+100
<b>SACCA-IMB-50-50NK</b>	sacca 50L Diam 50 M10x1,5	1611+/-15	200	5/8" 18UNF	7/8" 14UNF 1A	-15/+100

# Accessori / Accessories Mensola / Bracket Collare / Clamp



OMT code	Description	A	B	C	D	E	F	G	H	I	L	M
<b>MENSOLA-C-89</b>	MENSOLA C DIAM.89	125	101	89	73	140	13	75	130	-	25	60
<b>MENSOLA-C-108</b>	MENSOLA C DIAM.108	150	120	108	92	175	17	160	210	-	25	80
<b>MENSOLA-C-159</b>	MENSOLA C DIAM.159	200	170	159	123	235	17	200	260	40	25	100



OMT code	Description	A	B	C	D	E	F	G
<b>COLLARE-C-114</b>	COLLARE CS DIAM.114	187	112/124	140	77	30	95	120
<b>COLLARE-C-169</b>	COLLARE CS DIAM.169	240	160/180	182	90	40	-	140
<b>COLLARE-C-219</b>	COLLARE CS DIAM.219	300	200/225	270	120	40	202	222

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