

Technical catalog
Catalogo Tecnico

EN / IT

SENSOR 
series

Hydraulic Piston Accumulators



Agricultural, Forest,
Municipal vehicles, Naval, Construction
Machines, Industrial applications

Revortex

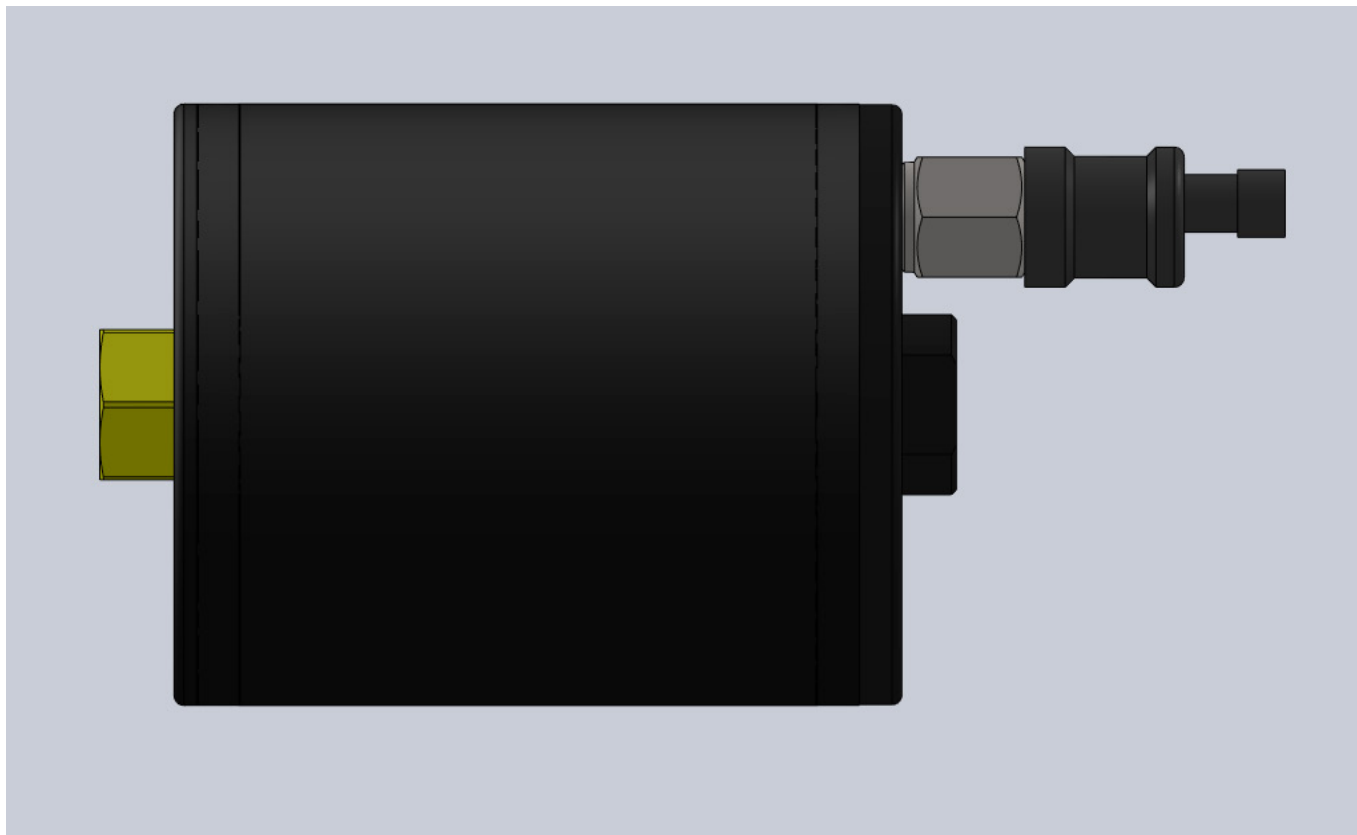
Innovation + High Performance + Durability

3.511

Hydraulic piston accumulators with integrated Switches Sensors
Accumulatori Idraulici a pistone con pressostati Integrati

Product exposed to burst test in the laboratories
Prodotto sottoposto a prove di scoppio presso i laboratori





The REVORTEX Hydraulic accumulators SENSOR series are devices with integrated switches sensors or transducer as driver to accumulate and subsequently release hydraulic energy in the hydraulic systems.

The Revortex Hydraulic accumulators SENSOR Series integrates Normally OPEN, Normally CLOSED Pressure switches or Transducers, with different voltage or current, in according with the customer requests.

It is possible to request the Revortex accumulators of SENSOR series with the predisposition for the customer to assembly his own pressure switch, and it is also possible to have the accumulator with the hydraulic mini-socket already mounted.

The Revortex Advanced Hydraulic accumulators SENSOR Series are the Technological avangarde that simplify the hydraulic plants allowing the advanced management of Vehicles, Machinery and Systems, or simply bleeding the air from the circuit (with the mini-socket).

REVORTEX SENSOR™ Technology

Gli accumulatori idraulici REVORTEX della serie SENSOR sono dispositivi che integrano pressostati o trasduttori per gestire l'accumulo e successivamente il rilascio di energia idraulica nei sistemi idraulici.

Gli accumulatori idraulici REVORTEX della serie SENSOR, integrano Pressostati Normalmente CHIUSI o Normalmente APERTI o Trasduttori con diverse tipologie di voltaggio o corrente in accordo con le richieste del cliente.

è possibile richiedere gli accumulatori Revortex della serie SENSOR con la predisposizione per il montaggio da parte del cliente del proprio pressostato, ed è possibile avere anche l'accumulatore con la minipresa idraulica già montata.

Gli Accumulatori Idraulici Avanzati Revortex SENSOR sono un'avanguardia tecnologica che semplifica gli impianti permettendo la gestione avanzata di macchinari e sistemi o il semplice spurgo dell'aria dal circuito.

REVORTEX SENSOR™ Technology

Tecnical specifications Specifiche tecniche

Accumulators diameters/ max pressure: Hydraulic Piston Accumulators
DIAM. 60mm (280 bar 350 bar) -- / 70mm (280 bar 350 bar) -- / 90mm (250 bar 280 bar)
110mm (250 bar) -- / 120mm (250 bar) / (REVORTEX SENSOR™ Technology)

Diametri degli accumulatori/ Pressioni massime : Accumulatore idraulico a pistone
DIAM. 60mm (280 bar 350 bar) -- / 70mm (280 bar 350 bar) -- / 90mm (250 bar 280 bar)
110mm (250 bar) -- / 120mm (250 bar) / (REVORTEX SENSOR™ Technology)

Operating fluid temperature -20°C to +80°C (Standard)
Temperatura operativa del fluido -20°C fino a +80°C (Standard)



Operating Fluids	Resistant to: (HL,HLP) - fire retardant (HFA) (other fluids on request)
Fluidi operativi	Resistente a: (HL,HLP) - Fluidi fuoco-ritardanti (HFA) (altri fluidi a richiesta)
Nitrogen Volume	from 0,16 to 1 liter over 1 liter ask to Info@revortex.
Volume Azoto	Da 0,16 a 1 litro sopra 1 liter chiedere a Info@revortex.
Pressure Switches	NC- NO / ask for voltage
Pressostati	NC- NO / Chiedere per la tensione

Advantages Vantaggi

Simplify hydraulic system assembly
Automate vehicle or machine operations
Increase safety in vehicle or machine operation
Particularly suitable for emergency systems

Semplifica il montaggio dell'impianto idraulico
Automatizza le operazioni del veicolo o macchinario
Aumenta la sicurezza nell'utilizzo del veicolo o macchinario
Particolarmente adatto per sistemi di emergenza

Applications:

Mobile vehicles
Industrial plants
Energy storage

Energy recovery
Braking systems
Steering corrector
Emergency functions

Applicazioni :

Veicoli mobili
Impianti industriali
Accumulo di energia

Recupero di energia
Sistemi di frenata
correttore di sterzata
Funzioni di emergenza

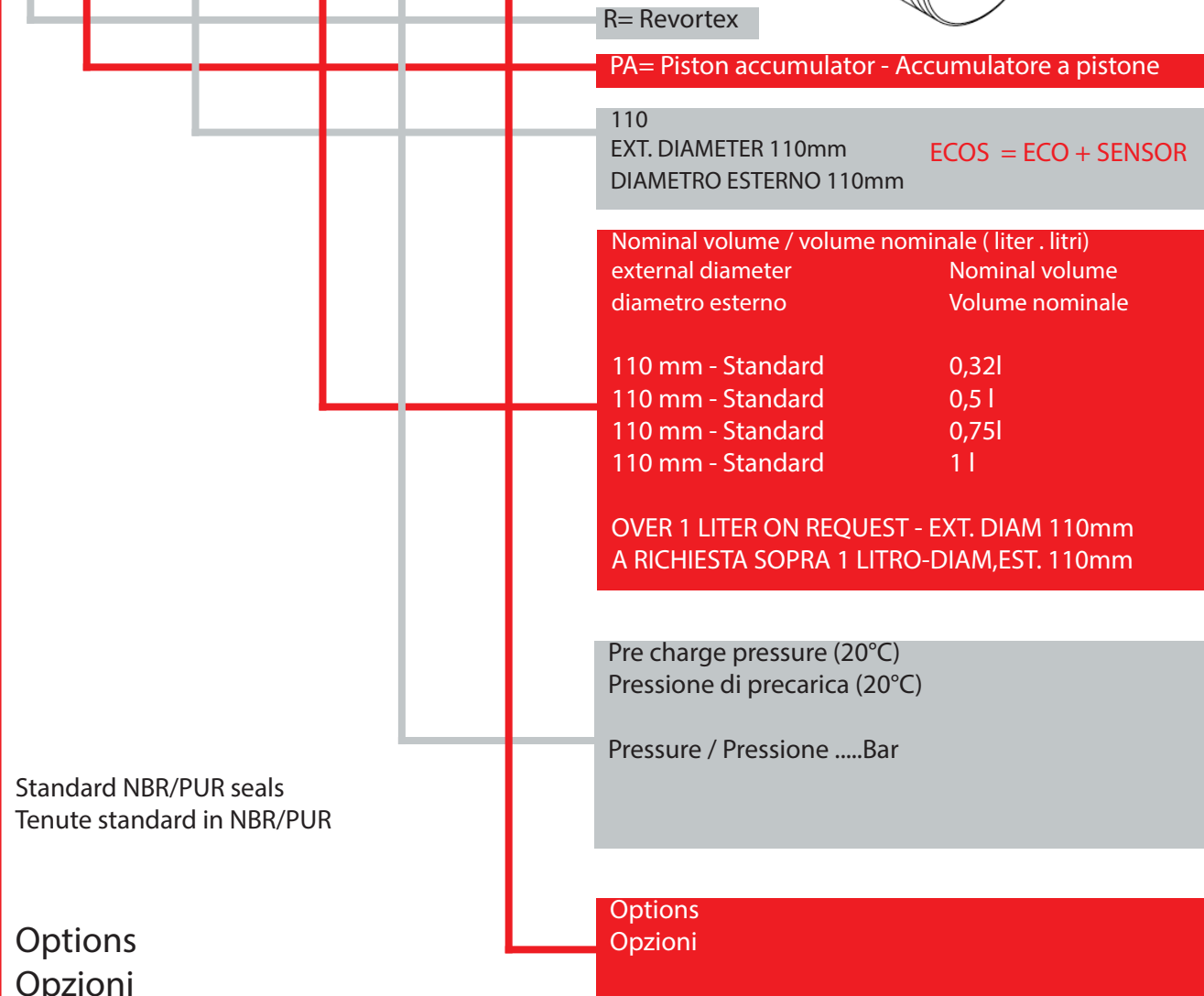
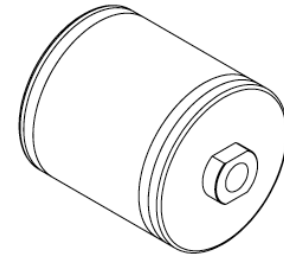
Accumulator type Accumulatore tipo RPA110 ECOS

Revortex specific construction
Costruzione a specifiche Revortex

Decoding key / chiave di decodifica

R PA 110ECOS 075 60 Oxxx

PN up to / fino a 250 bar
From-up to / Da-fino a 0,32 to 1 liter
OVER 1 Liter on request
OLTRE 1 litro a richiesta

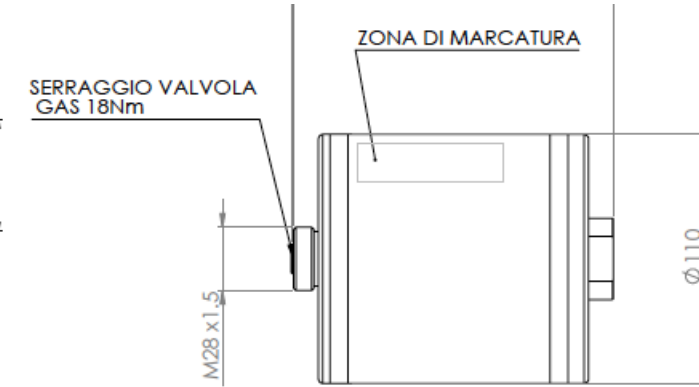
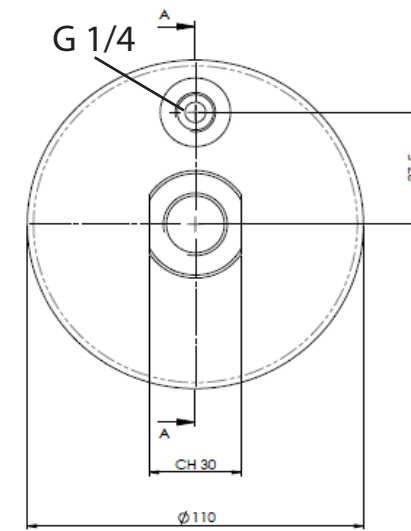


Standard NBR/PUR seals
Tenute standard in NBR/PUR

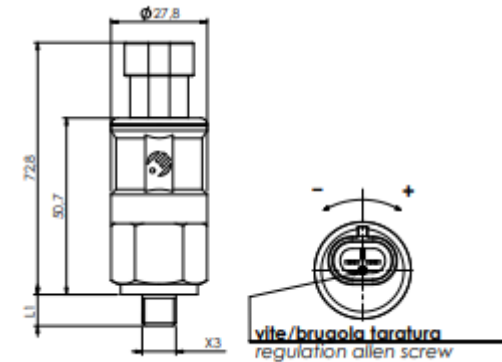
Options Opzioni

O020	Oil connection with key 30mm socket / Connessione olio con presa chiave 30mm
P 1/4	with hole G 1/4" predisposition for mounting the sensor or the hydraulic mini socket // con foro da 1/4" Gas , predisposizione per il montaggio di sensori o minipresa idraulica
SNC or SNO	with sensor switch normaly closed or normaly open (example NC-HNBRT50) // Con pressostato normalmente chiuso o normalmente aperto (esempio NC-HNBRT50)
HMS	With hydraulic mini socket // Con minipresa olio
SPECIAL	With sensor customer request // con sensori a richiesta del cliente

With option 0020 key grip + P1/4 / con opzione O020 ptesa chiave lato olio +P1/4

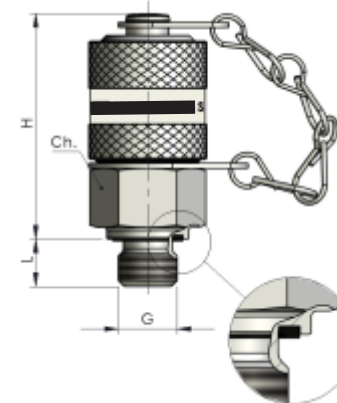


CONFIGURAZIONI (XXX)	LITRI	L
032	0.32	119
050	0.5	141.5
070	0.7	166
075	0.75	173.5



standard sensors
Euroswitch type 41C20 K1 (NC or NO) - IP67
or other types of sensors upon customer request

sensori standard
Euroswitch tipo 41C20 K1 (NC or NO) - IP67
o altri tipi di sensori su richiesta del cliente



Hydraulic Mini-socket ISO228 G 1/4" BSP
H 37 mm

Mini-presa ISO228 G 1/4" G
H 37 mm

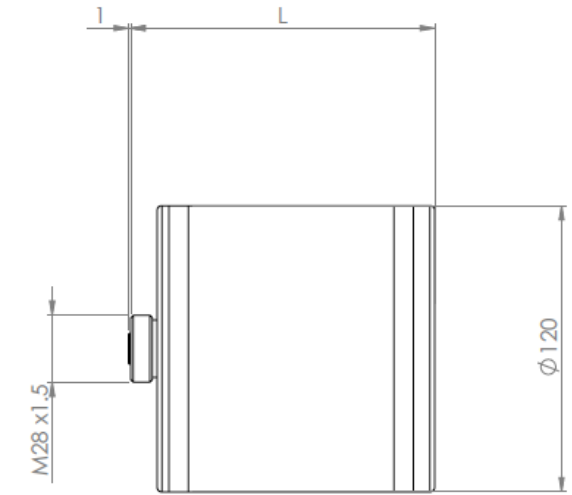
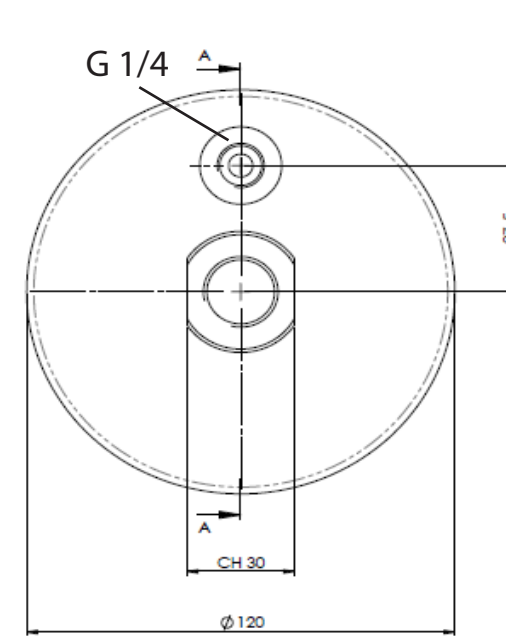
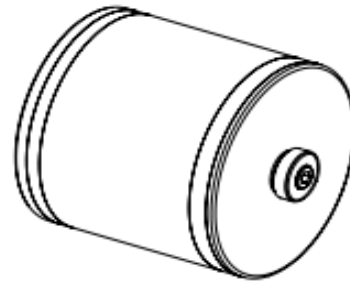
Accumulator type Accumulatore tipo RPA120S

Revortex specific construction
Costruzione a specifiche Revortex

Decoding key / chiave di decodifica

R PA 120S/ 05 60 Oxxx

PN up to / fino a 250 bar
From-up to / Da-fino a 0,32 to 1 liter
OVER 1 Liter on request
OLTRE 1 litro a richiesta



R= Revortex

PA= Piston accumulator - Accumulatore a pistone

120 = EXT. DIAMETER 120mm
DIAMETRO ESTERNO 120mm
S = SENSOR SERIES

Nominal volume / volume nominale (liter . litri)
external diameter Nominal volume
diametro esterno Volume nominale

120 mm - Standard	0,32l
120 mm - Standard	0,5 l
120 mm - Standard	0,75l
120 mm - Standard	1 l

OVER 1 LITER ON REQUEST - EXT. DIAM 120mm
A RICHIESTA SOPRA 1 LITRO-DIAM,EST. 120mm

Pre charge pressure (20°C)
Pressione di precarica (20°C)

Pressure / PressioneBar

Standard NBR/PUR seals
Tenute standard in NBR/PUR

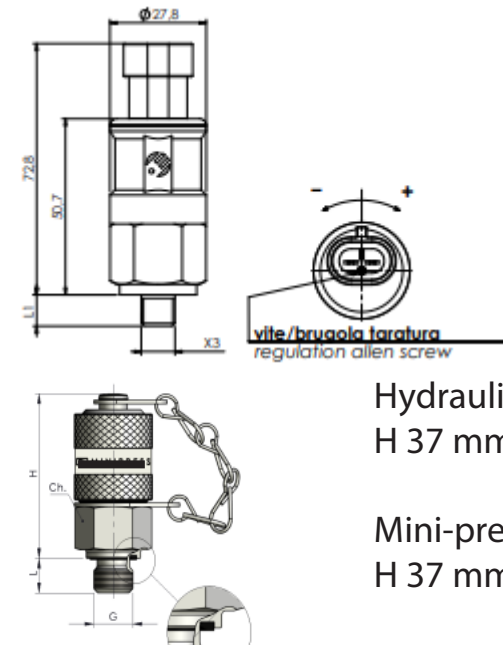
Options Opzioni

- | | |
|------------|--|
| O020 | Oil connection with key 30mm socket / Connessione olio con presa chiave 30mm |
| P 1/4 | with hole G 1/4" predisposition for mounting the sensor or the hydraulic mini socket // con foro da 1/4" Gas , predisposizione per il montaggio di sensori o minipresa idraulica |
| SNC or SNO | with sensor switch normaly closed or normaly open (example NC-HNBRT50) // Con pressostato normalmente chiuso o normalmente aperto (esempio NC-HNBRT50) |
| HMS | With hydraulic mini socket // Con minipresa olio |
| SPECIAL | With sensor customer request // con sensori a richiesta del cliente |

Options
Opzioni

Monolith
technology

CONFIGURAZIONI (XXX)	LITRI	L
050	0.5	127.4
075	0.75	154.9
100	1	181.9
150	1.5	242.4
200	2	299.4
300	3	415.4
400	4	531.4



standard sensors
Euroswitch type 41C20 K1 (NC or NO) - IP67
or other types of sensors upon customer request

sensori standard
Euroswitch tipo 41C20 K1 (NC or NO) - IP67
o altri tipi di sensori su richiesta del cliente

Hydraulic Mini-socket ISO228 G 1/4" BSP
H 37 mm

Mini-presa ISO228 G 1/4" G
H 37 mm

The SENSOR accumulators can also be requested for other types of accumulators not listed in this catalog.

The versatility of REVORTEX accumulators allows for rapid adaptation to customer requirements.

Therefore, check the suitability of the accumulators for your machinery:

RPA280

RPA350

RPA80 Monolith

RPADO

RPAD

ecc.

E' possibile richiedere gli accumulatori SENSOR anche su altre tipologie di accumulatori non presenti in questo catalogo.

la versatilità degli accumulatori REVORTEX permette un rapido adattamento alle richieste del cliente.

verificate quindi l'adattabilità sui vostri macchinari anche degli accumulatori:

RPA280

RPA350

RPA80 Monolith

RPADO

RPAD

ecc.

WARNING

Errors in the selection or use of the products and / or systems described, can cause serious personal injury and property damage. It is critical that all aspects of the application and the operating conditions and products chosen are analyzed and re-examined. Making own tests and evaluations, the user is the only one able to ensure compliance with performance, safety and cautionary use requirements.

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Certifications or declarations must be required during the offer request phase.

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