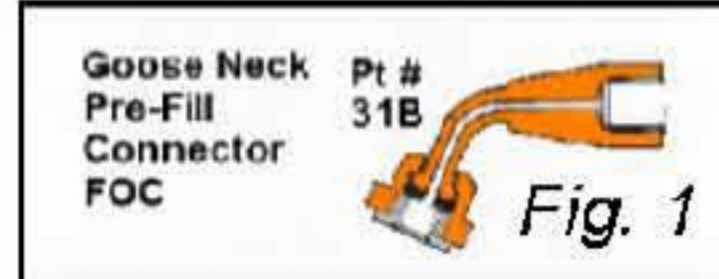
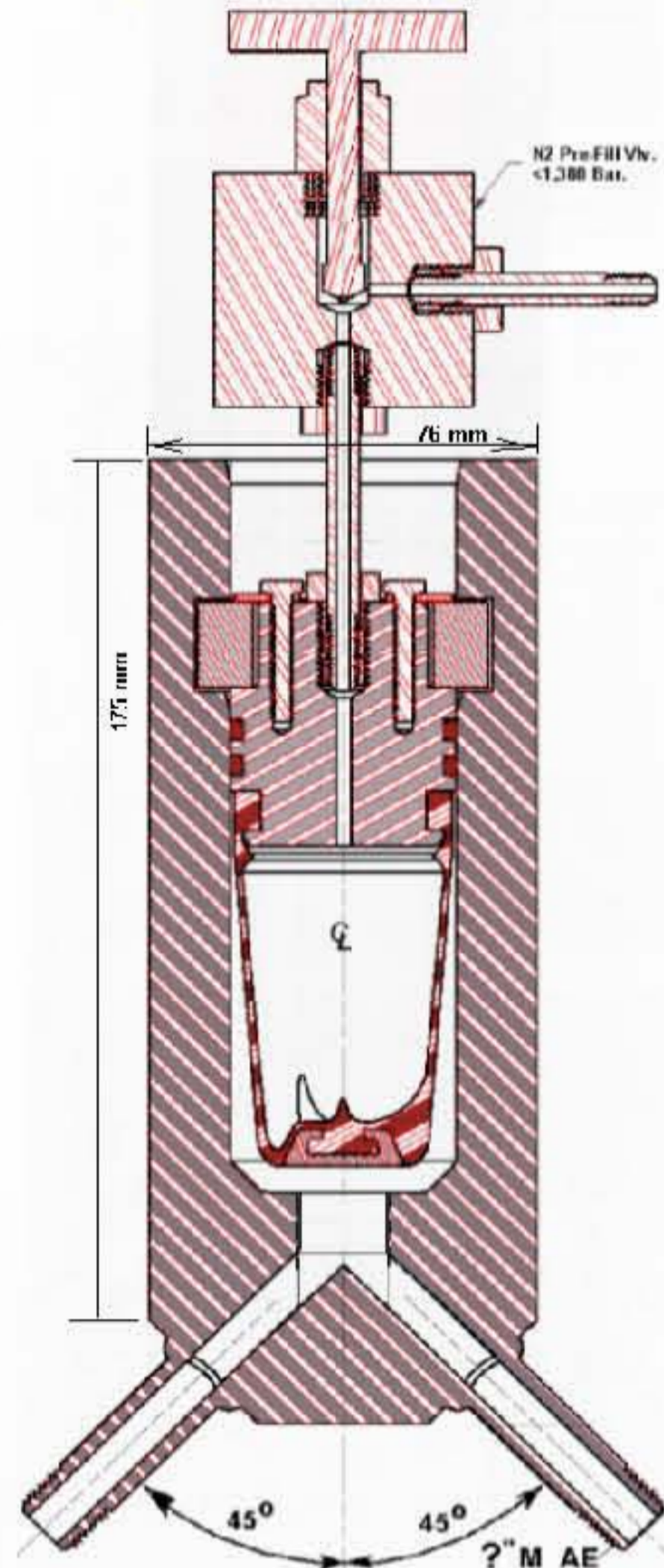
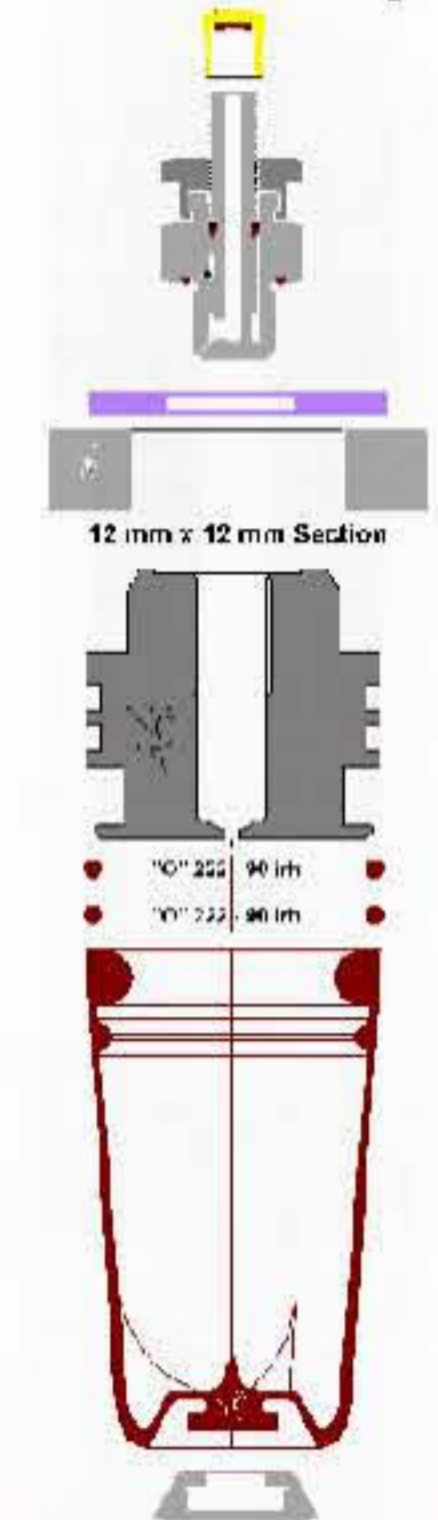


TYPICAL ACCUMULATORS FOR HIGH PRESSURE

Extreme Pressure Accumulator for 12,000 psi
LiquiFlex by HydroTrole



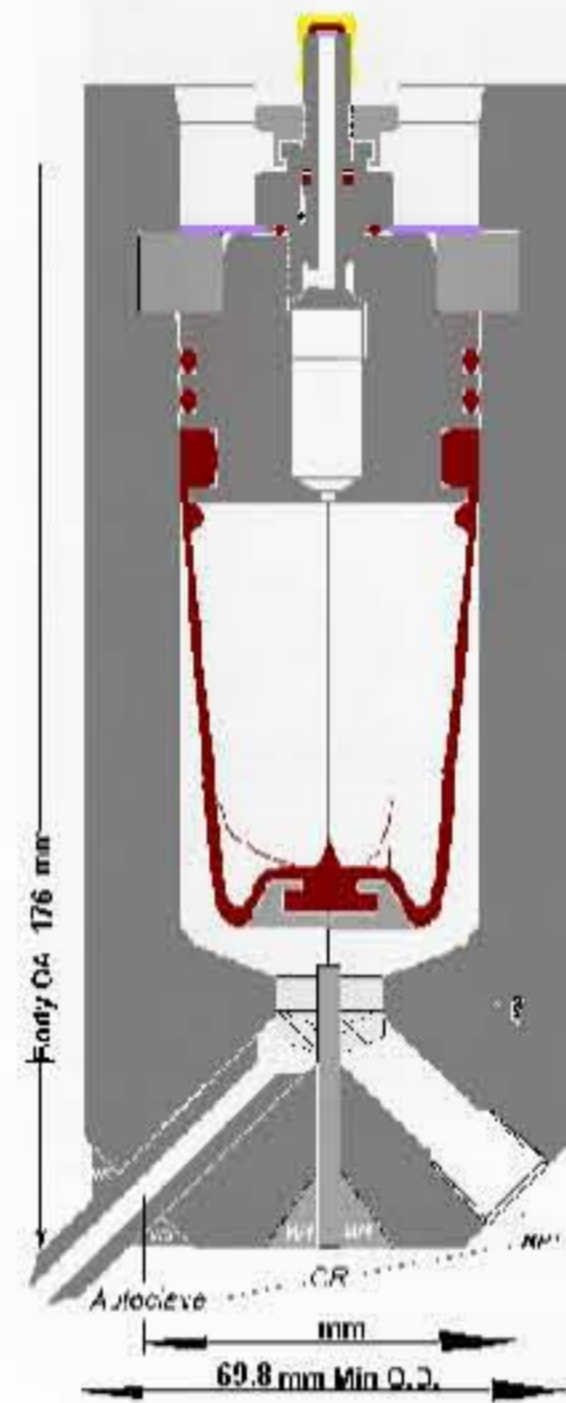
Typical Accumulator Disassembly



Please GOTO Hydropneumatics.eu for animations of how they run

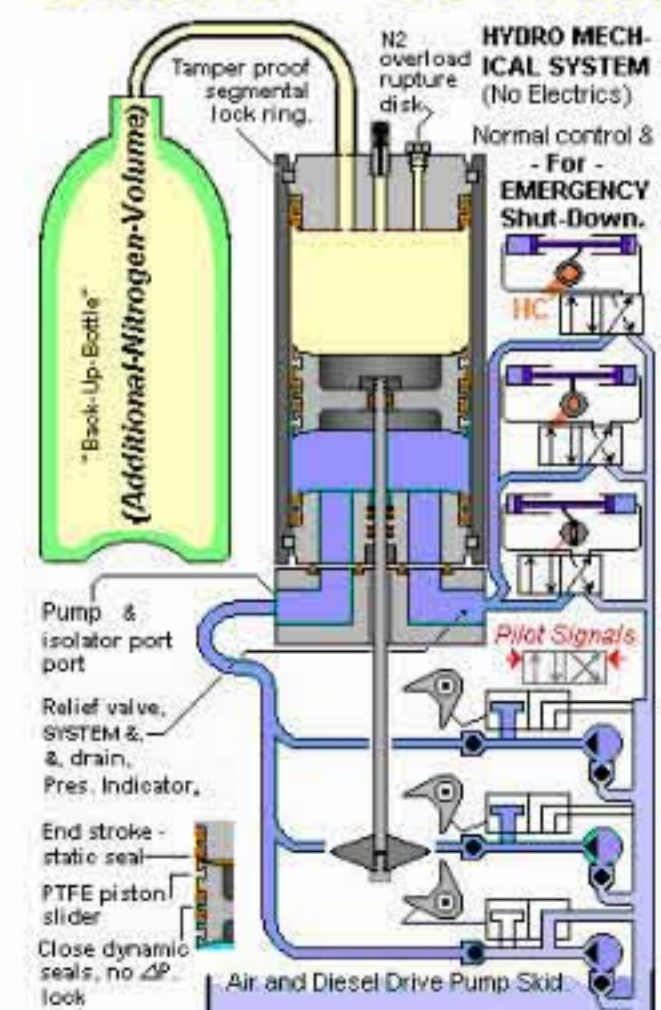


High Pressure Accumulator for 6,000 psi
LiquiFlex by HydroTrole

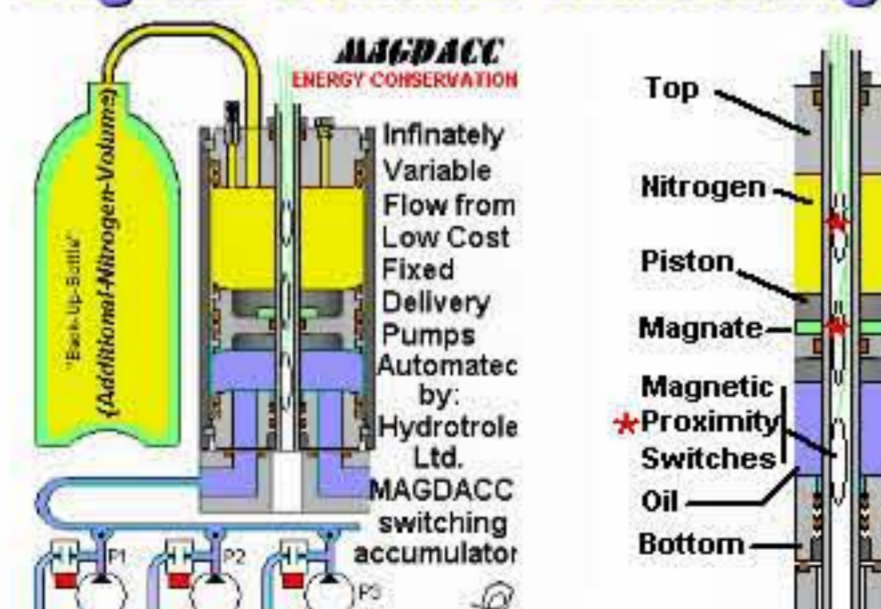


HYDRAULIC CONTROL ACCUMULATORS FOR PUMPS

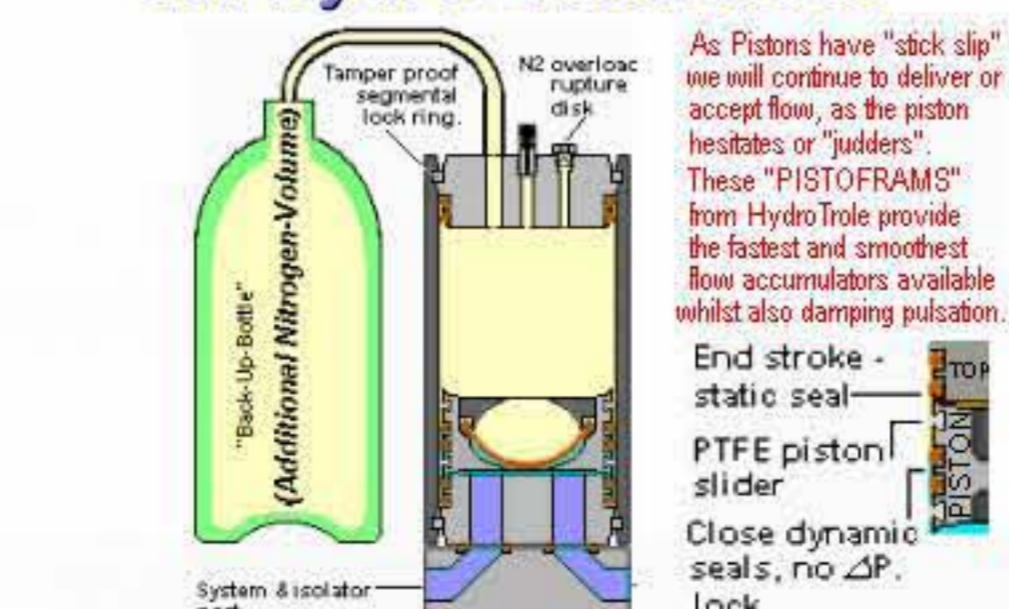
Hydro-Mechanical Pump Control "No Electrics"



Proximity Switching Digital Volume Indicating



Acoustic Frequency Control for Hydro-Electronics



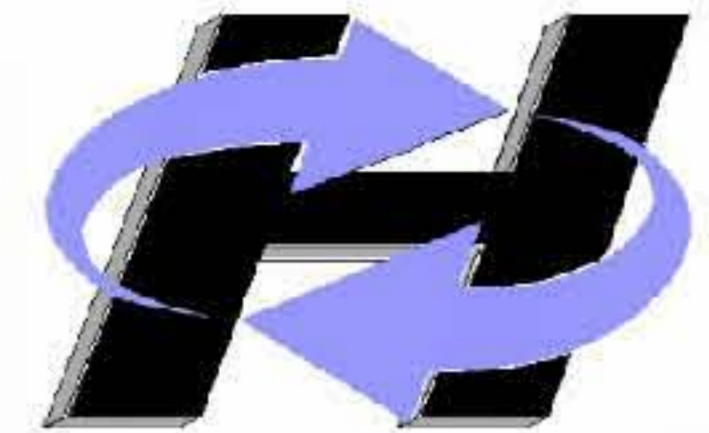
HydroTrole pour la France et les pays francophones
Parelis
L' Etang du bois
Chemin de Pierre Morte
73 100 - TRESSERVE France
Tel. +33(0)4.79.34.98.06
Fax. +33(0)4.79.34.23.56
EMail. info@parelis.com

Under License from M. Packer since 1963

HydroTrole Ltd.
HydroTrole.co.uk Since 1963
Hydraulic Control Engineers
hydropneumatics.eu
EUROPE : accumulators-hydroneumatics.com
FRANCOPHONES : accumulators-hydroneumatics.com
THE AMERICAS : accumulators-hyd.com
OIL AND GAS : pressure-bottles.com
GROSS BRITANNIA : accumulators.co.uk

HydroTrole Ltd.

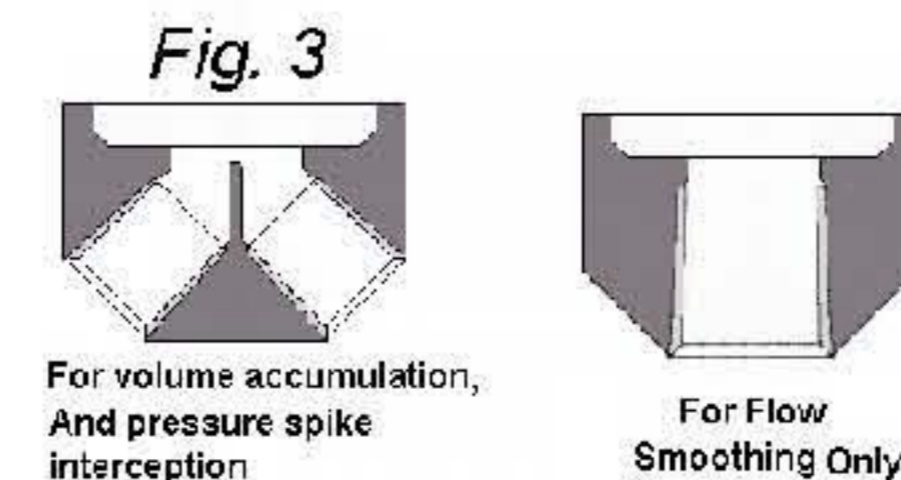
Hydraulic Control Engineers



St. St. Hydropneumatic Accumulators of the gas bag type that we introduced in 1965 have several beneficial features :-

- These Liquiflex accumulators have "bladders" (gas bags) that are moulded as one piece, without glue or "bonds" in the moulding.
- This provides a hydraulic accumulator for which the best elastomer formulations can be deployed. Ideal for Synthetic and fire resistant accumulator systems.
- The accumulator "bladders" are prevented from extruding into the system by a large flat plate allowing high flow rates and fast response. For an animation of how it works, please visit :- www.hydropneumatics.eu/hydropneumatic-accumulators/
- The accumulator performance is superior to ones with spring loaded "poppet" valves. For an animation of how it works, please visit :- www.hydropneumatics.eu/hydropneumatic-accumulators/
- Pre-Filling the accumulator gas bag with nitrogen is made easy and safer by use of a valve that does not require any special tools Please see Page 4 Fig. 2
- A connector is provided free of charge that matches the accumulator valve, which is opened and closed with a standard 20mm / 3/4" wrench Please see Page 4 Fig. 1
- These Hydropneumatic Accumulators from the HydroTrole SLIMLINE series, are available with the 40 year proven "FLO-THRU" feature that enables interception of high frequencies and shock waves. Fig. 3
- The HydroTrole "Liquiflex Slimline" accumulator range enables most volume for pressure, length/diameter ratio, stainless steel cost savings **Accumulators for Volume storage, leakage compensation, + shock interception.**

HydroTrole Ltd. +44(0)161-480-9625, Fax +44(0)161-480-9627
1 Greg St. Industrial Ctr. Stockport, UK, SK5 7BS. Contact "Silver".

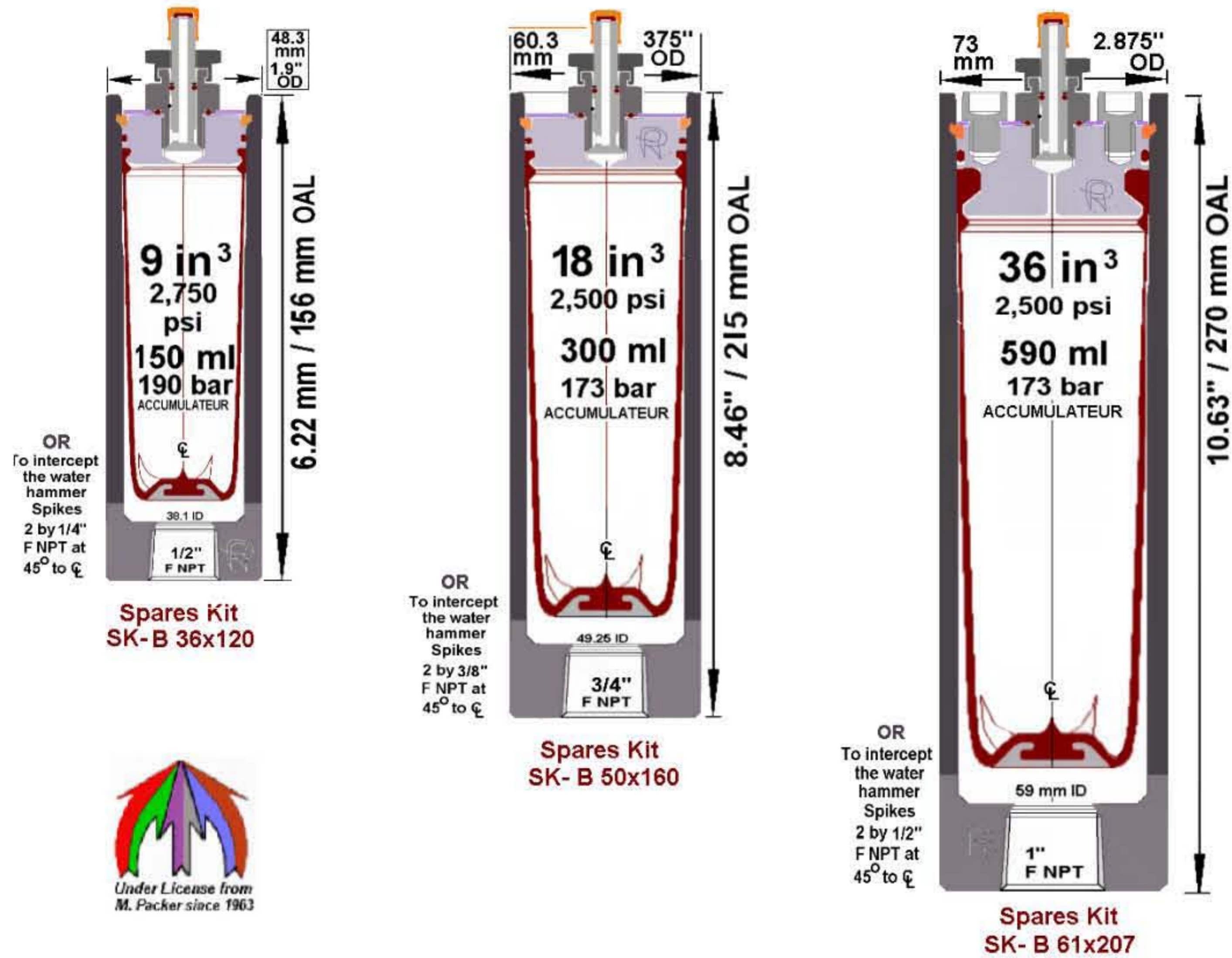


Stainless Steel, Hydropneumatic
**ACCUMULATEUR 2,000 psi ,
6,000 psi And 12,000 series.**
The Original N₂ in the bag
"Liquiflex" by HydroTrole

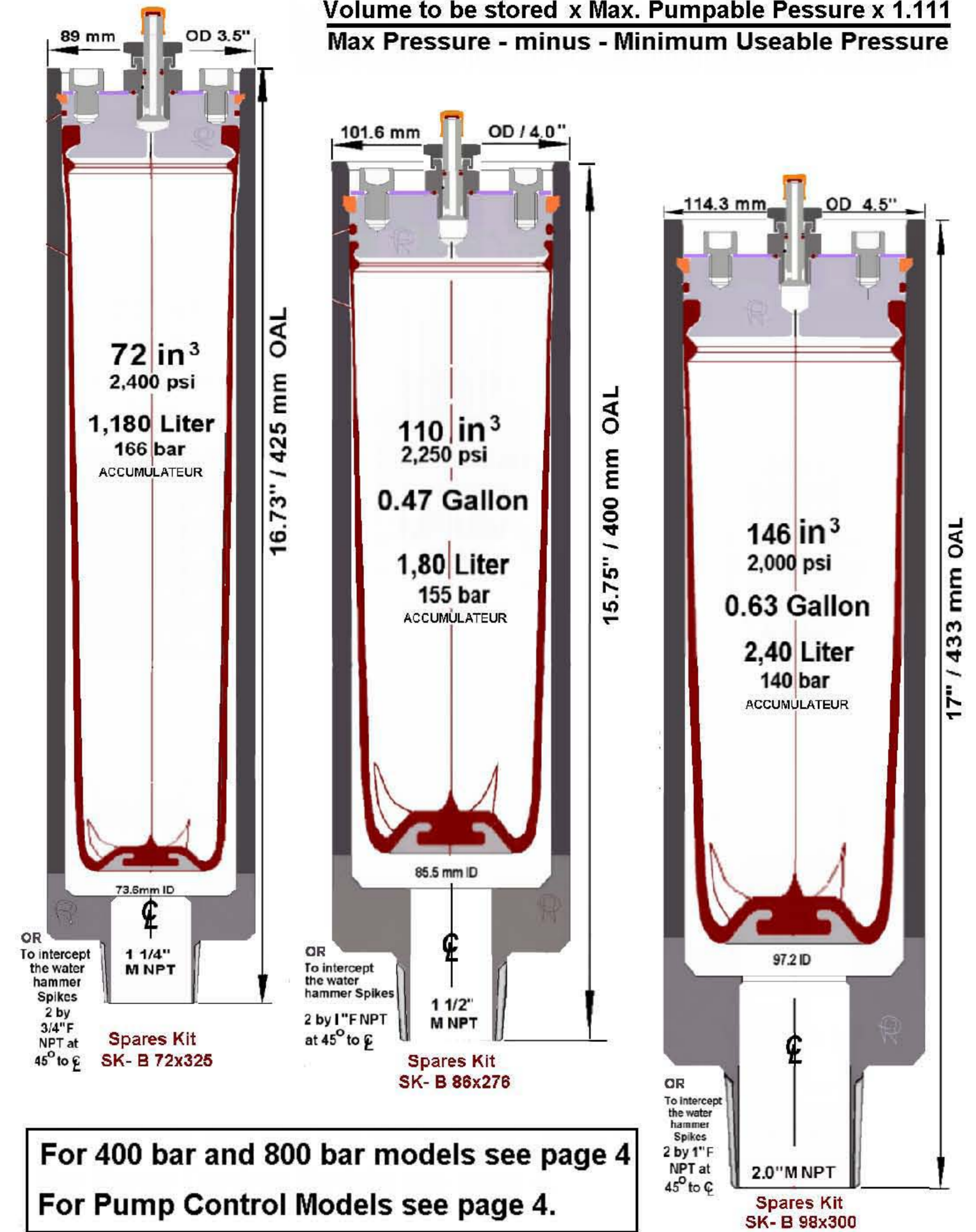




316L Stainless Body , 304 Pre-Fill valve, Nitrile, EP, or Flouro Elastomers



Estimating Accumulator Volume Needed
 $\text{Volume to be stored} \times \text{Max. Pumpable Pessure} \times 1.111$
 $\text{Max Pressure} - \text{minus} - \text{Minimum Useable Pressure}$



From the LiquiFlex Range, "SlimLine" Series.

The six most popular sizes from the LIQUIFLEX range of accumulators.

The benefit of "ex-stock" / Inventory or short lead times plus the lower cost of batch quantity production.

Specially important after the huge rise in stainless steel costs.

HydroTrole Ltd.

1 Greg Street Industrial Center, Reddish, Stockport. Cheshire, SK5 7BS UK
 Phone --44(0)161-480-9625 Fax --44(0)161-480-9627 Contact "Silver".
 and - PO Box 506 Hampstead NC 28443 USA
 USA Phone --910-270-2737 Fax --910-270-2739

For 400 bar and 800 bar models see page 4
For Pump Control Models see page 4.