TYPICAL ACCUMULATORS FOR HIGH PRESSURE

Extreme Pressure Accumulator
for 12,000 psi
LiquiFlex by HydroTrole

High Pressure Accumulator
for 6,000 psi
LiquiFlex by HydroTrole

HYDRAULIC CONTROL ACCUMULATORS FOR PUMPS

Hydro-Mechanical Pump Control "No Electrics"
Proximity Switching
Acoustic Frequency Control for Hydro-Electronics

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.hydro pneumatics.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.hydro pneumatics.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
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.

HydroTrol® 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

Estimating Accumulator Volume Needed

Volume to be stored x Max. Pumpable Pressure x 1.111

Max Pressure - minus - Minimum Useable Pressure

Spares Kit
SK-B 36x120
Spares Kit
SK-B 50x180
Spares Kit
SK-B 61x207
Spares Kit
SK-B 72x325
Spares Kit
SK-B 86x276
Spares Kit
SK-B 98x300

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