

# Zalety akumulatorów tłokowych + porównanie z akumulatorami pęcherzowymi i membranowymi.

## KEY ADVANTAGES



### HIGHEST FLOW RATE

The piston accumulator structure enables the highest flow rates for hydraulic fluid.



### OPTIMISATION FOR SYSTEM REQUIREMENTS

Piston accumulators can be short and wide or long and thin. Hydroll has a unique capability for effective mass customization.



### LOWEST GAS PERMEATION


Multiple times slower pre-charge gas permeation makes piston the safest and most reliable alternative.



### FLEXIBLE MOUNTING POSITION

The piston accumulator can also be mounted horizontally without sacrificing reliability.

FEATURE / TYPE OF ACCUMULATOR	PISTON	BLADDER	MEMBRANE
Oil flow rate	High	Low	Medium
Compression ratio (max. pressure to pre-charge pressure)	10:1	4:1	6:1
Horizontal mounting position	Yes	No	No
Size optimization for system requirements	Yes	No	No
Space requirement	Small	Large	Medium
Sensing ( e.g. pressure and piston position monitoring)	Yes	No	No
Temperature tolerance (low)	- 45°C	- 25°C	- 25°C
Extra gas tank connection	Yes	Yes	No
Dual functionality (dual piston or gas chamber)	Yes	No	No
Gas permeation (loss off pre-charge pressure)	Very low	High	High
Service interval	Long	Short	Short
Response time	Medium	Medium	High
Tolerance for dirt	Low	High	Medium
Pre-charge lost in case of failure	Gradual	Immediate	Immediate

 = Better