

Integral hydraulic accumulator: Series D 0.6-330 and D 1.0-350

The new versatility with operating pressures up to 350 bar



Our new generation of hydraulic accumulators offers exceptional functional reliability and durability and opens up versatile application areas with operating pressures up to 350 bar.

In modern accumulators the hydraulic fluid is separated from the gas by a membrane, a rubber blister or a piston. Today, machines with hydraulic drives would be unthinkable without these hydraulic accumulators. Hydraulic compressors support the oil-hydraulics within an extremely wide spectrum of applications: From presses to construction and agriculture machines to modern industrial robots. All the more important is it to properly configure hydraulic accumulators in their design according to the different requirements. With the introduction of the new accumulator range with operating pressures of up to 350 bar, Integral Accumulator has significantly extended

the capabilities of their accumulators and offers one-stop-solutions with a large variety of first-class quality services.

Innovative solutions in material, design and function

The leading technology specialist Integral Accumulator has applied their innovative power to advance their hydraulic accumulators focusing on application-specific developments. The outcome: excellent features for the application areas you require. For example, our integral hydraulic accumulators for electro-hydraulic controlled brake systems fundamentally differ from conventional membrane and piston accumulators. Based on the requirements of an electro-hydraulic brake, a metal bellows accumulator was developed, which distinguishes itself by absolute gas leak-tightness and durability. This innovative accumulator principle was the first time that a flexible metal bellows was successfully used as a separating element.

Convincing performance:

- Optimised design
- High performance
- Availability of a range of oil and gas connections
- Availability of a range of membranes and housing materials
- Material alternatives: acrylonitrile butadiene rubber (NBR), ethylene oxide epichlorhydrin rubber (ECO), butyl rubber (IIR), fluororubber (FKM)
- High bursting strength and high permissible dynamic load of the accumulator housing
- Multilayer membrane for maintenance free membrane accumulator
- Nominal volume: 0.6 l; 0.75 l; 1.0 l; 1.4 l; 2.8 l; 3.5 l

Integral hydraulic accumulator – the right choice for your industrial application



Integral hydraulic accumulator D 0.6-330			Integral hydraulic accumulator D 1.0-350		
Membrane material	Item no.	Connection piece	Membrane material	Item no.	Connection piece
NBR	060-1315-013-711*	IG: G1/2"	NBR	100-1315-043-711*	IG: G1/2"
ECO	060-1315-013-741*	IG: G1/2"	ECO	100-1315-043-741*	IG: G1/2"
NBR	060-1315-023-711*	IG: G1/2" AG: M33x1.5	NBR	100-1315-053-711*	IG: G1/2" AG: M33x1.5
ECO	060-1315-023-741*	IG: G1/2" AG: M33x1.5	ECO	100-1315-053-741*	IG: G1/2" AG: M33x1.5

*desired gas pressure in bar

Integral Accumulator offers a comprehensive range of hydraulic accumulators

- The 1 l hydraulic accumulator complements the 350 bar series with already available 0.75 l; 1.4 l; 2.8 l; 3.5 l versions
- The 0.6 l version is designed up to 330 bar.

With these extensions we offer solutions for a significantly wider range of applications for the most varied customer requirements.

Your benefits at a glance

- Higher performance spectrum
- Complete 350 bar product portfolio from one source
- Coverage of a large temperature range using different membrane materials
- Wide range of applications
- Customer-specific solutions

Please contact us for further information:

Integral Accumulator GmbH & Co. KG
 Sinziger Str. 47, 583424 Remagen
 Phone: +49 (0) 26 42/9 33-0
Marketing@integral-accumulator.de
www.integral-accumulator.de