

# INDUSTRY PISTON ACCUMULATOR



In modern accumulators the hydraulic fluid is separated from the gas by a piston, a diaphragm or a rubber bladder. Today, machines with hydraulic drives would be unthinkable without these hydraulic accumulators. The hydraulic accumulator supports the oil-hydraulics within an exceptionally wide spectrum of applications: From presses, to construction and agricultural machinery, to modern wind turbines. It is particularly important to ensure that the correct configuration of hydraulic accumulator is specified according to different design requirements.

With the introduction of the new Piston Accumulator range with operating pressures of up to 350 bar, Freudenberg Sealing Technologies offers one-stop-solutions with a **comprehensive range of first-class quality products and services**. Extremely adaptable and customizable, basic and specialized designs of Piston Accumulators are available to meet each customer's specific needs.

## VALUES FOR THE CUSTOMER

Our standard Piston Accumulator as well as customer specific solutions are ideal for several applications in Agriculture, Construction and other industrial applications.

- Application-optimized in-house sealing development
- Long service life
- Low hysteresis
- Compact design
- A wide range of materials, seal types and configurations
- A comprehensive selection of gas and fluid connections
- Repairable/service friendly
- Produced by proven and reliable technologies

### Customer Specific Advantages

- Extremely adaptable and customized Solutions
- Quick production of prototypes
- Test bench for pre-validation
- Application-optimized Engineering

## FEATURES

### European Standard Series 350 bar

Model Number	Volume [l]	Operating pressure [bar]	Weight ca. [kg]	Length ca. [mm] ± 3	Gas Volume [dm³]	Fluid Volume [dm³]	Inner Diameter [mm]	Outer Diameter [mm]
P01E350 0,2 60/80	0,2	350	6	220	0,2	0,15	60	80
P01E350 0,5 60/80	0,5	350	7,7	325	0,5	0,45	60	80
P01E350 0,5 80/100	0,5	350	10,3	250	0,5	0,4	80	100
P01E350 0,75 60/80	0,75	350	9,3	415	0,75	0,7	60	80
P01E350 1,0 60/80	1	350	10,7	505	1	0,95	60	80
P01E350 1,0 80/100	1	350	12,3	350	1	0,9	80	100
P01E350 1,0 100/125	1	350	18,3	295	1	0,8	100	125
P01E350 1,5 80/100	1,5	350	14,5	450	1,5	1,4	80	100
P01E350 1,5 100/125	1,5	350	20,5	360	1,5	1,3	100	125
P01E350 2,0 80/100	2	350	16,8	550	2	1,9	80	100
P01E350 2,0 100/125	2	350	23	425	2	1,8	100	125
P01E350 2,0 125/155	2	350	31,5	345	2	1,7	125	155
P01E350 2,5 100/125	2,5	350	25,3	490	2,5	2,3	100	125
P01E350 3,0 100/125	3	350	27,5	555	3	2,8	100	125
P01E350 4,0 125/155	4	350	40,5	509	4	3,7	125	155
P01E350 5,0 125/155	5	350	44,5	590	5	4,7	125	155
P01E350 6,0 150/185	6	350	65,5	545	6	5,5	150	185

#### Standard series:

Operating fluid:

- Mineral based oil

Temperatur range:

- -20C° to +80°C

Fluid ports:

- G 1/2
- G 3/4
- G 1
- G 1 1/2

Gas port:

- M28 x 1,5

Other options are available for operating fluid, temperature range, fluid, and gas ports.

#### Example RFQ:

Model Number	Fluid Port	Operating Fluid / Temperatur Range / Gas Port
P01E350-1,0-100/125	G3/4	Standard

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