

德国FREUDENBERG集团 MORE POWER FOR YOUR HYDRAULIC SYSTEMS



INTEGRAL 蓄能器简介

销售合作伙伴

INTEGRAL 蓄能器
上海巨普液压技术有限公司

地址：上海市松江工业区新飞路1500弄42号

电话：021-57660230 传真：021-57660720

网址：www.jupuyy.com

JUPU-HYDRAULIC CO., LTD.

FREUDENBERG SEALING TECHNOLOGIES ACCUMULATOR TECHNOLOGY

SYNERGY WITH HIGH ENERGY

About Freudenberg Sealing Technologies

As the leading specialist in sealing applications and their markets, Freudenberg Sealing Technologies is a supplier as well as a development and service partner serving customers in a wide variety of industries, including the automotive industry, civil aviation, mechanical engineering, shipbuilding, the food and pharmaceutical industries, and the agricultural and construction machinery industries.

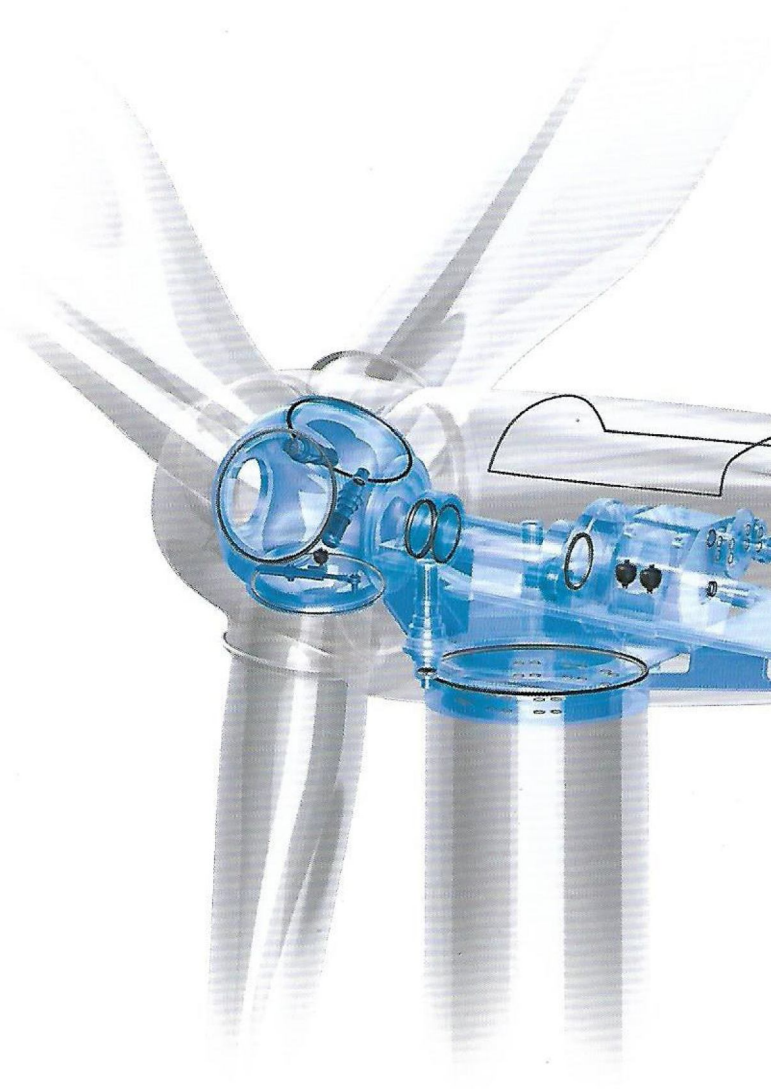
For decades, Freudenberg Sealing Technologies has set standards for quality, functionality and cost-effectiveness in countless applications in general industry. With a comprehensive array of products, established market expertise and an in-depth understanding of its customers' requirements, Freudenberg Sealing Technologies offers a unique performance package in the field of sealing technology.

THE FREUDENBERG SEALING TECHNOLOGIES PERFORMANCE PACKAGE AT A GLANCE:

- Largest range of products worldwide
- Continuous innovation
- Unique material expertise
- High quality standards
- A variety of integrated services
- Global presence
- Knowledge of local market requirements

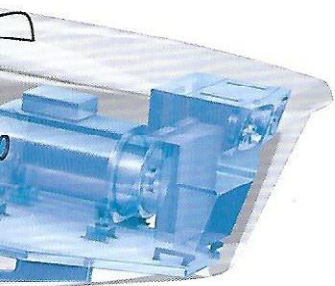
FREUDENBERG 蓄能器合作伙伴

上海巨普液压技术有限公司 www.jupuyy.com



ACCUMULATORS FOR DIVERSE APPLICATIONS

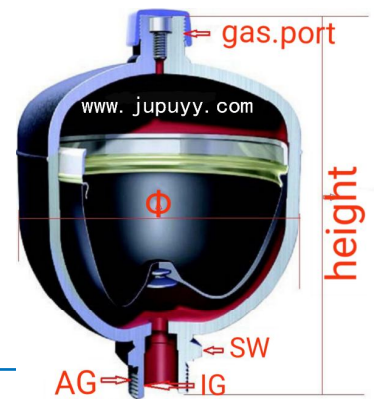
Freudenberg Sealing Technologies accumulators are energy collectors and accumulators that are indispensable to all hydraulic systems, from presses to construction machinery all the way to industrial robots. They offer high performance, variability for an extremely wide range of oil and gas connections and stand out for their robustness in handling dynamic loads.



FREUDENBERG 蓄能器合作伙伴

上海巨普液压技术有限公司 www.jupuyy.com

DIAPHRAGM ACCUMULATOR



THE NEW VERSATILITY WITH OPERATING PRESSURES UP TO 350 BAR

Our new generation of Diaphragm Accumulators offer exceptional functional reliability and durability and open 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 bladder or a piston. 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 Diaphragm Accumulator range with operating pressures of up to 350 bar, Freudenberg Sealing Technologies offers onestop- solutions with a comprehensive range of first-class quality services.

Innovative solutions in material, design and functionality

Freudenberg Sealing Technologies, as the leading technology specialist have 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 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 bellow accumulator was developed, which distinguishes itself by absolute gas leak-tightness and durability. This innovative accumulator principle is the first time that a flexible metal bellow has been successfully implemented as a separating element.

FREUDENBERG 蓄能器合作伙伴

上海巨普液压技术有限公司 www.jupuyy.com

Convincing performance:

- Optimised design
- High performance
- A comprehensive range of oil and gas connections
- A comprehensive range of membranes and housing materials
- Alternative materials: acrylonitrile butadiene rubber (NBR), ethylenoxide epichlorhydrin rubber (ECO), butyl rubber (IIR), fluororubber (FKM)
- High tensile strength and high permissible dynamic load of the accumulator housing

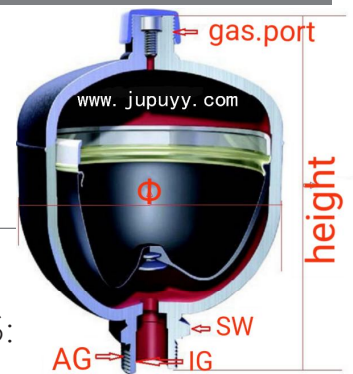
YOUR BENEFITS AT A GLANCE

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

Freudenberg
Sealing Technologies

DIAPHRAGM ACCUMULATOR

TECHNICAL DATA



A COMPREHENSIVE RANGE OF DIAPHRAGM ACCUMULATORS:

type	article no.*	nominal volume [l]	permissible operating pressure [bar]	oil-port			gas-port	Ø [mm]	height [mm]	weight ca. [kg]	P0 : P2** max. permissible pressure ratio
				SW	IG	AG					
MBSP 0,07-250	007-1315-013-6X1	0.07	250	6kt32	G1/2"	-	M28x1.5	64	118	0.7	1:8
MBSP 0,07-250	007-1315-074-6X1	0.07	250	6kt19	-	M14x1.5	M28x1.5	64	119	0.7	1:8
MBSP 0,16-250	016-1315-024-6X1	0.16	250	6kt32	G1/2"	-	M28x1.5	75	126	1.0	1:6
MBSP 0,32-210	032-1315-044-6X1	0.32	210	6kt32	G1/2"	-	M28x1.5	92	141	1.5	1:8
MBSP 0,50-210	050-1315-013-6X1	0.5	210	6kt41	G1/2"	-	M28x1.5	107	159	2.0	1:8
MBSP 0,50-210	050-1315-023-6X1	0.5	210	6kt41	G1/2"	M33x1.5	M28x1.5	107	170	2.0	1:8
MBSP 0,50-330	050-1315-033-7X1	0.5	330	6kt41	G1/2"	-	M28x1.5	110	169	2.7	1:8
MBSP 0,50-330	050-1315-013-7X1	0.5	330	6kt41	G1/2"	M33x1.5	M28x1.5	110	180	2.7	1:8
MBSP 0,60-330	060-1315-013-7X1	0.6	330	6kt41	G1/2"	-	M28x1.5	110	178	3.0	1:4
MBSP 0,60-330	060-1315-023-7X1	0.6	330	6kt41	G1/2"	M33x1.5	M28x1.5	110	189	3.0	1:4
MBSP 0,75-210	075-1315-043-6X1	0.75	210	6kt41	G1/2"	-	M28x1.5	122	173	2.6	1:8
MBSP 0,75-210	075-1315-053-6X1	0.75	210	6kt41	G1/2"	M33x1.5	M28x1.5	122	184	2.6	1:8
MBSP 0,75-250	075-1315-063-6X1	0.75	250	6kt41	G1/2"	-	M28x1.5	124	176	3.2	1:8
MBSP 0,75-250	075-1315-073-6X1	0.75	250	6kt41	G1/2"	M33x1.5	M28x1.5	124	187	3.2	1:8
MBSP 0,75-350	075-1315-012-7X1	0.75	350	6kt41	G1/2"	-	M28x1.5	129	180	4.0	1:8
MBSP 0,75-350	075-1315-022-7X1	0.75	350	6kt41	G1/2"	M33x1.5	M28x1.5	129	191	4.0	1:8
MBSP 1,0-210	100-1315-083-6X1	1.0	210	6kt41	G1/2"	-	M28x1.5	136	187	3.7	1:8
MBSP 1,0-210	100-1315-113-6X1	1.0	210	6kt41	G1/2"	M33x1.5	M28x1.5	136	198	3.7	1:8
MBSP 1,0-350	100-1315-043-7X1	1.0	350	6kt41	G1/2"	-	M28x1.5	129	205	5.0	1:4
MBSP 1,0-350	100-1315-053-7X1	1.0	350	6kt41	G1/2"	M33x1.5	M28x1.5	129	217	5.0	1:4
MBSP 1,4-140	140-1315-033-5X1	1.4	140	6kt41	G1/2"	-	M28x1.5	147	198	4.5	1:8
MBSP 1,4-140	140-1315-043-5X1	1.4	140	6kt41	G1/2"	M33x1.5	M28x1.5	147	209	4.5	1:8
MBSP 1,4-210	140-1315-143-6X1	1.4	210	6kt41	G1/2"	-	M28x1.5	147	198	4.5	1:8
MBSP 1,4-210	140-1315-153-6X1	1.4	210	6kt41	G1/2"	M33x1.5	M28x1.5	147	209	4.5	1:8
MBSP 1,4-250	140-1315-112-6X1	1.4	250	6kt41	G1/2"	-	M28x1.5	152	202	5.5	1:8
MBSP 1,4-250	140-1315-122-6X1	1.4	250	6kt41	G1/2"	M33x1.5	M28x1.5	152	213	5.5	1:8
MBSP 1,4-350	140-1315-012-7X1	1.4	350	6kt41	G1/2"	-	M28x1.5	156	201	7.0	1:8
MBSP 1,4-350	140-1315-022-7X1	1.4	350	6kt41	G1/2"	M33x1.5	M28x1.5	156	212	7.0	1:8
MBSP 2,0-250	200-1315-142-6X1	2.0	250	6kt41	G3/4"	-	M28x1.5	156	255	9.5	1:6
MBSP 2,0-350	200-1315-042-7X1	2.0	350	6kt41	G3/4"	-	M28x1.5	156	255	9.5	1:6
MBSP 2,8-250	280-1315-032-6X1	2.8	250	6kt41	G3/4"	-	M28x1.5	169	270	8.5	1:6
MBSP 3,5-250	350-1315-072-6X1	3.5	250	6kt41	G3/4"	-	M28x1.5	169	304	10.2	1:4

* X equates to identification figure at current diaphragm material:
standard material NBR = 1; material IIR = 2; material FKM = 3;
material ECO = 4; other materials on enquiry

** permissible pressure ratio for diaphragm = P0 (gas filling pressure) / P2 (working pressure)

FREUDENBERG 蓄能器合作伙伴

上海巨普液压技术有限公司 www.jupuyy.com

Freudenberg
Sealing Technologies

FREUDENBERG (INTEGRAL) 蓄能器实物照片参考



上海巨普公司是德国 **FREUDENBERG** 集团 (**INTEGRAL**) 蓄能器销售合作伙伴，常年具有丰富备货，更多产品可咨询，欢迎到我司参观！

上海巨普液压技术有限公司，上海市松江工业区新飞路 1500 弄 42 号，021-57660230

FREUDENBERG 蓄能器合作伙伴

上海巨普液压技术有限公司 www.jupuyy.com