

宁波朝日液压有限公司

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朝日液压 CHAORI HYDRAULIC

2023

蓄能器国家标准制定参与单位

Chaori company participate and setting the
China accumulator national standards

朝日液压

CHAORI HYDRAULIC



宁波朝日液压有限公司
NINGBO CHAORI HYDRAULIC CO.,LTD.



科学决策，理性分析，人性管理，品质至上。
“随心所愿，成就梦想”



公司简介 INTRODUCTION OF ENTERPRISE

宁波朝日液压有限公司（原奉化市朝日液压有限公司）位于国家AAAAA级风景旅游区—浙江宁波·奉化市溪口镇，公司占地面积18000m²，厂房占地面积12000m²，制造设备齐全，检测手段完善。在2000年通过了ISO9001质量体系认证，并持有制造许可证，美国ASME证，欧盟CE证。参与了蓄能器国家标准的制订。在2005年成立了宁波市朝日液压蓄能器工程技术研究开发中心，2008年又被评为国家级高新技术企业。是一个专业生产各种蓄能器并从事液压元件和液压系统的设计、制造、销售的企业，是中国钢铁工业协会冶金设备配套成员单位，同时也是中国液压气动密封件工业协会会员单位。

朝日液压公司主要提供下列产品：

- 1、蓄能器技术：囊式蓄能器、活塞式蓄能器、不锈钢囊式蓄能器、隔膜式蓄能器、管路蓄能器、非隔离式蓄能器（储气罐）等。
- 2、蓄能器附件技术：活塞式蓄能器站及非隔离式组站、囊式蓄能器站、充氮车（氮气增压装置）、充气（氮）工具、充气阀、气体安全阀、高压减压阀、安全球阀、安全控制阀组、皮囊等。
- 3、冷却器：油冷却器。
- 4、管道安装技术：高压球阀、中低压球阀、高压截止阀、高压胶管等。
- 5、液压电磁阀技术：球式电磁换向阀、冷却电磁阀。
- 6、其他液压元件：单向阀、压力表开关、液压缸专用阀组（补偿调压阀、节流调压阀）等。

公司长期以来为冶金工业、工程机械、电力设备、汽车工业、塑料机械、船舶工业、航空航天、军工等行业提供液压产品，深受广大用户的青睐和欢迎。公司坚持“诚信为本，精益求精”的宗旨，愿为新老客户提供最优质的产品和最优质的服务。竭诚欢迎各界朋友来我公司参观指导，洽商合作。

Ningbo Chaori Hydraulic Co.,Ltd , is located in National AAAAA scenic resort Xikou town,Fenghua, Ningbo . The company covers an area of 18000 square meters, and has been equipped with perfect manufacturing machines and detecting instruments. It passed the ISO9001 certification in 2000,and had the important certificates and licenses, including the Special Equipment Designing and Manufacture License issued by General Administration of Quality Supervision ,Inspection and Quarantine, of China, ASME manufacture certificate of pressure vessel ,and EU CE certificate. The company took part in the establishment of accumulator type national standard. In 2005,the company set up its own engineering and research&development center. The company had been recognized as the national high and new tech enterprises .We specialize in design manufacture of hydraulic components and systems. Being the member of China Iron and Steel Association (CISA) in the field of metallurgical equipments and the member of China Hydraulics Pneumatics&Seals Association ,we can provide the following products.

1.Accumulator: Bladder type, Piston type, Diaphragm type, Stainless steel type,Pipeline type,winding type, non-separated type,etc.

2.Accumulator accessories: Nitrogen charging trolley ,Charging tools ,Charging Valves ,Safety valves ,High pressure Relief valves, Safety control valves, Bladders ,etc.

3.Coolers: Oil Coolers.

4.Pipeline Components: High pressure ball valves,Mid/ Low Pressure ball valves, High pressure stop valves, High pressure hoses ,etc.

5.Solenoid operated hydraulic Valves : Multi-dirction ball valves ,Cooling Valves.

6.Other: Check valves ,Pressure gauge switches ,Special purpose valve sets for hydraulic cylinder (pressure compensated valves, throttle) valves ,etc.

Our customers spread over various industrial areas ,including metallurgy ,construction engineering mchinery, electrical power equipments ,automotive ,plastic machinery ,ship engineering ,aerospace and other power equipments ,automotive ,plastic machinery ,ship engineering ,aerospace and other military industries."Be Excelsior" is always the company's philosophy .We are dedicated to provide the best products and services to the new and old customers .Sincerely welcome to Chaori for visit ,discussion and cooperation.



朝日液压 CHAORI HYDRAULIC

企业荣誉

HONORS TO ENTERPRISE

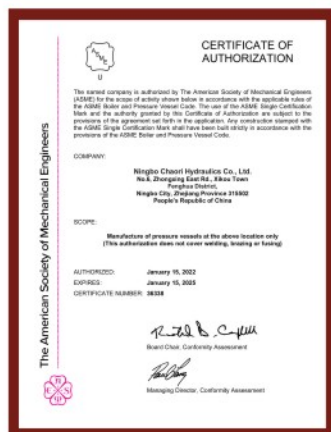
制造许可证

Manufacture License of Special Equipment



美国ASME证书

ASME Certificate



质量管理体系认证证书

Quality Control System Certificate



CE证书

CE Certificate



欧盟CE证书

The European CE Certificate



质量管理体系认证证书

Quality Control System Certificate



宁波蓄能器工程技术研究开发中心
Ningbo Accumulator Engineering Technology
Research and Developing Center



质量管理先进企业

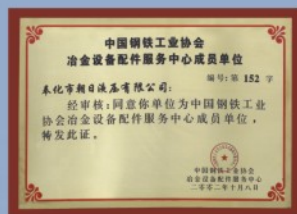
Honor of Quality Control Advanced Enterprise



中国液压气动密封件工业协会会员证书
China Hydraulic Pneumatic Seals Industry Certificate



中国钢铁工业协会
China Iron Steel Association Certificate



产品质量信得过企业
Techonlogy Supervision Bureau Certificate



朝日液压 CHAORI HYDRAULIC

产品展示

PRODUCT DISPLAY

活塞式蓄能器
Piston accumulator



隔膜式蓄能器
Diaphragm accumulator



气囊式蓄能器
Bladder accumulator



美标(ASME)、欧标(CE)蓄能器
ASME、CE accumulator



非隔离式蓄能器
Non-isolated accumulator



蓄能器用阀组
Accumulators custom valve



SAF型蓄能器安全截止阀组 (国际标准)
SAF type Energy Storage Safety Stop Valve (International Standard)



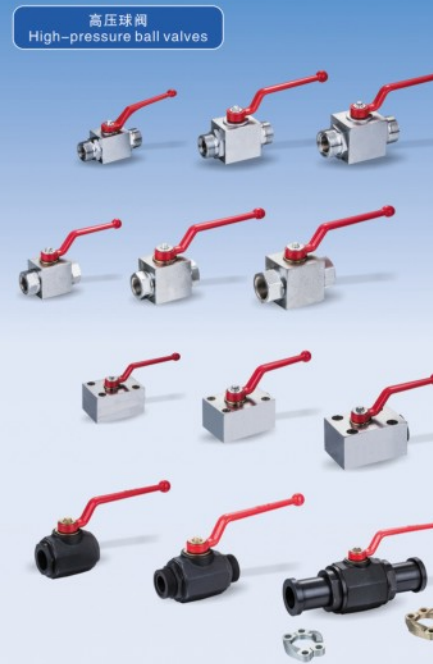
蓄能器站
Accumulator station



蓄能器附件
Accumulator Accessories



高压球阀
High-pressure ball valves



充氮车、减压阀
Nitrogen charging car, Gas Regulator



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蓄能器工作原理 / Principle of Accumulator

蓄能器是一种蓄积受压液体而设计的液压辅件，液体是不可压缩的，蓄能器利用气体的可压缩性来达到储存液体的目的，当压力升高时，油液进入蓄能器由此气体被压缩，当压力下降时，压缩气体膨胀，油液压入回路。

Accumulator is a hydraulic accessory designed to accumulate the pressured liquid. Fluids are practically incompressible and cannot therefore store pressure energy. In hydraulic accumulators the compressibility of gas is utilized for storing fluids. The accumulator draws in fluid when the pressure increases and the gas are compressed. When the pressure drops, the compressed gas expands and forces the stored fluid into the circuit.



一、蓄能器容量选择

1、状态参数的定义

P_0 = 预充压力; V_0 = 有效气体容积
 P_1 = 最低工作压力; V_1 = 在 P_1 时的气体容积
 P_2 = 最高工作压力; V_2 = 在 P_2 时的气体容积
 t_{min} = 最低工作温度; t_0 = 预充气体温度;
 t_{max} = 最高工作温度; n = 多变指数

① 使用前的状态(氮气与液体未进入)。
 ② 胶囊内预先充有氮气，油阀是关闭的，防止胶囊脱离。
 ③ 达到最低工作压力时胶囊外和油阀之间应保留少量油液(约为蓄能器公称容量的10%)，不至于胶囊在每次膨胀过程中撞击阀，引起胶囊损坏。
 ④ 蓄能器处于最高工作压力。最低工作压力和最高工作压力时的容积变化量相当于有效的油液量。 $\Delta V = V_1 - V_2$

二、预充压力的选择

NXQ系列胶囊式蓄能器允许容积利用率为实际气体容量的75%。因此预充氮气压力和最高工作压力间的比例限于1:4，另外预充压力不得超过最低系统压力的90%。遵照这种规定可保证较长的胶囊使用寿命。其它压缩比可采用特别的措施达到。

为了充分的利用蓄能器的容量，建议使用下列数值。

蓄能: $P_0 t_{max} = 0.9 \times P_1$ 吸收冲击: $P_0 t_{max} = (0.6 \sim 0.9) \times P_m$ (P_m = 自由流通的平均工作压力)

吸收脉动: $P_0 t_{max} = 0.6 \times P_m$ (P_m = 平均工作压力) 或 $P_0 t_{max} = 0.8 \times P_1$ (在多种工作压力时)

预充压力的极限值: $P_0 \leq 0.9 \times P_1$, 允许的压缩比为 $P_2 : P_0 \leq 4 : 1$

三、蓄能器容量选择计算公式

蓄能器内的压缩和膨胀过程应遵循气体状态多变的规律。

理想的气体为: $P_0 \times V_0^n = P_1 \times V_1^n = P_2 \times V_2^n$

其中要考虑多变指数“n”对气体特性随着时间的的影响指数。

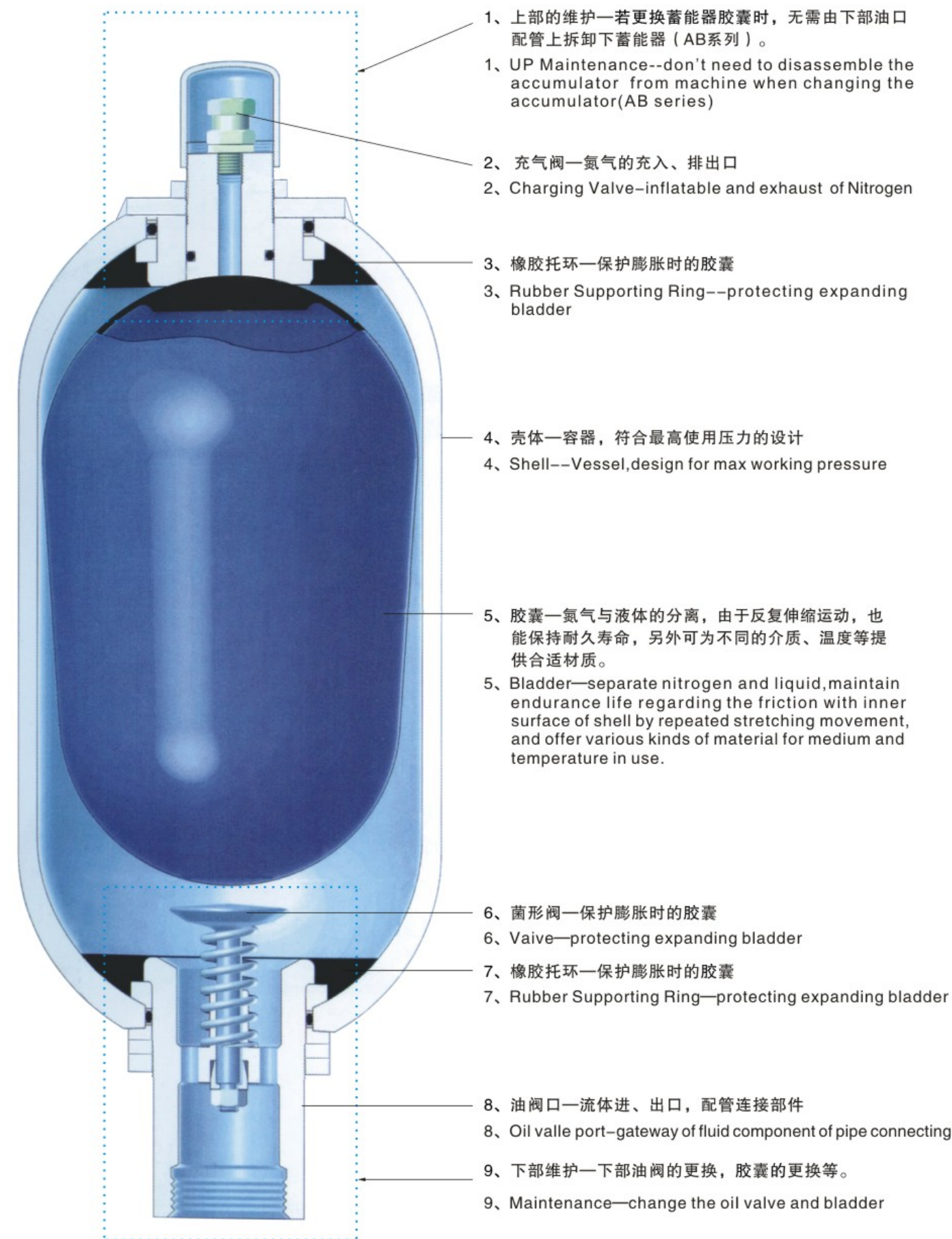
缓慢的膨胀和压缩过程的状态变化接近于等温，多变指数可为 $n=1$ ，

而快速的膨胀和压缩过程发生绝热的状态变化，多变指数 $n=1.4$

(适用于双原子气体的氮气)

计算公式:

$$\text{多变: } V_0 = \frac{\Delta V}{\left(\frac{P_0}{P_1}\right)^{1/n} - \left(\frac{P_0}{P_2}\right)^{1/n}} \quad \text{等温: } V_0 = \frac{\Delta V}{\frac{P_0}{P_1} - \frac{P_0}{P_2}} \quad (n=1)$$

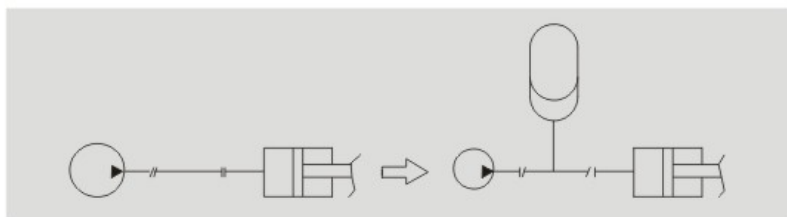


蓄能器的用途/Use Of Accumulator

❖ 一、储存能量/Energy Storage

蓄能器广泛应用在辅助能源。一方面储存由泵间歇输出的液压油，一方面对间歇负荷释放大于泵流量的流体。因此，有了蓄能器使泵等能实现装置小型化及节省能源。

Accumulator is widely used in the auxiliary energy. It accumulates the oil intermittently outputted by pump while releases fluid more than the pump flux. Therefore, the accumulator helps the pump to be size-miniaturization and energy-saving.



❖ 二、吸收（消除）脉动/Pulsation Absorption(Elimination)

蓄能器能吸收由各种泵排出的压力流体产生的脉动，使液压管路不受到压力、噪音、振动等影响。

Accumulator absorbs pulsation created by pressure fluid that is released by various pump to protect the pipe from the infection of pressure, noise and vibration.



❖ 三、吸收（缓和）冲击/Impact Absorption(Decrease)

在液压回路中，由于急速开关或使负荷突然变化，从而在管路中发生冲击压力，成为噪音、管路破损等原因，设置蓄能器能吸收（缓和）冲击。

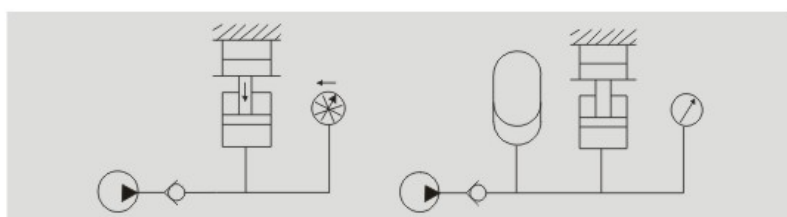
In hydraulic circuit, impact in the pipe caused by rapid switching or sudden changing of load brings noise and pipe damage. Accumulator is set to absorb (decrease) the impact.



❖ 四、补偿泄漏/Leakage Compensation

在压力控制回路和保持压力的工况中，为补偿内部泄漏、外部泄漏而引起压力降低。为保持恒定压力而使用蓄能器。

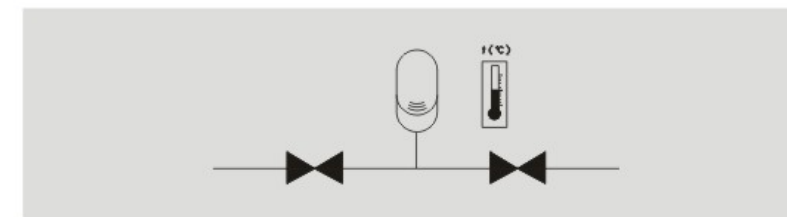
In pressure control circuit and condition of pressure maintaining, accumulator is set to maintain the pressure by compensating the pressure reduction caused by internal and external leakage.



❖ 五、补偿容积/Volume Compensation

在闭式回路中，由于温度变化而使液体的体积变化，内部压力上升、降低，安装蓄能器，可使压力的变动减少。从而保护阀门、垫片、压力表等不出故障。

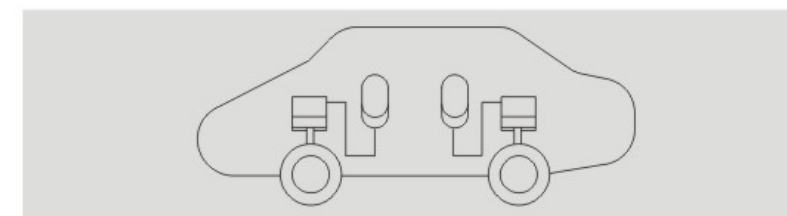
In closed circuit, internal pressure changes because variety in temperature results in variety of liquid volume. The accumulator reduces the change of pressure to protect valves, gaskets and pressure gauge from failure.



❖ 六、吸收振动/Vibration Absorption

液压系统的机械振动被蓄能器吸收，蓄能器内的气体起到弹簧作用，可衰减汽车等车辆的冲击与振动。

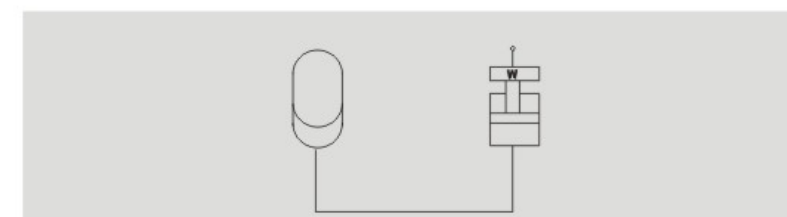
The accumulator absorbs the mechanical vibration for the gas in the accumulator works as spring to reduce the impact and vibration of vehicle.



❖ 七、平衡作用/Balance

蓄能器可以用作平衡器，用蓄能器的气体压力平稳地平衡产品、机械的重量和冲击。

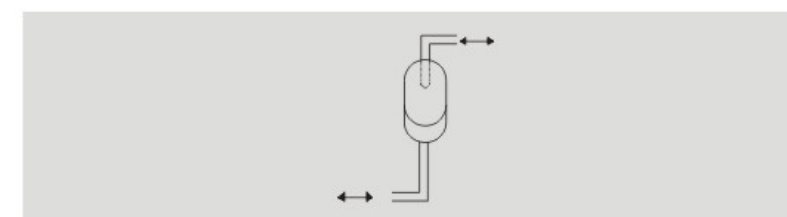
The accumulator can be used as balance for the gas pressure in accumulator stably balances the weight of product and machine and impact.



❖ 八、流体分隔器/Fluid separation

蓄能器一般分隔两种介质（液压用途时为：氮气和油）。然而，当不得不在两种不相溶的液体之间进行压力输送时，也可以使用蓄能器。

The accumulator generally separated the two medium (hydraulic purpose: nitrogen and oil). However, the accumulator can be also used to transmit pressure between two liquid which can be mixed.



国家标准囊式蓄能器 (GB/T20663) National Standard Accumulator

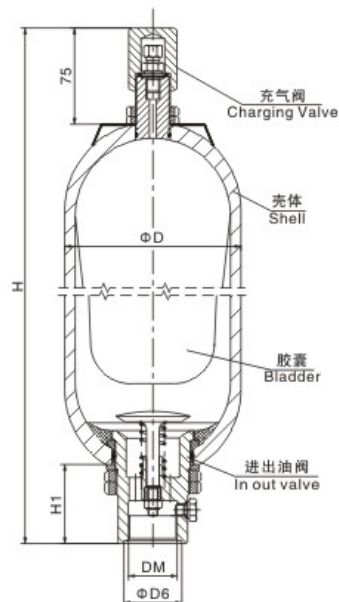


一、型号说明/Ordering Code

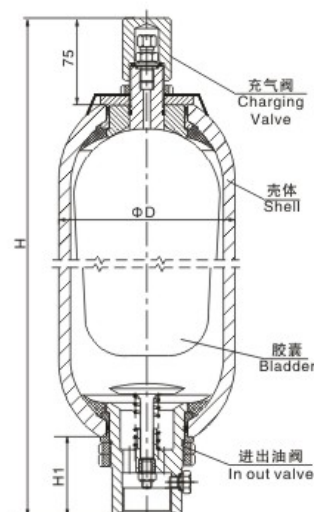
NXQ	※	※	※	※	※	※	※
名称代号:国家标准蓄能器 Product Name:National standard accumulator							疲劳试验类别
结构型式:A型-小口,AB型-大口 Structure Type:Type A,Type AB							
公称容积/Nominal volume: 0.4~250L							
公称压力/Nominal pressure: 10、20、31.5MPa、custom made							
连接方式: L-螺纹连接、F-法兰连接 Connection type: L-Thread connection, F-Flange connection							
							工作介质: Y-液压油, R-乳化液, EG-水乙二醇 Medium:Y-Hydraulic liquid, R-Emulsion EG-Ethylene glycol Temperature:-20℃~+93℃

二、内部结构及外形尺寸/Structure and Dimension

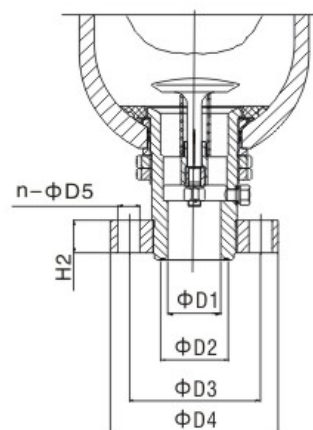
NXQA 型蓄能器螺纹连接结构简图
NXQA accumulator Thread connection
NXQA—※/※-L-※



NXQAB 型蓄能器螺纹连接结构简图
NXQAB accumulator Thread connection
NXQAB—※/※-L-※



NXQ 型蓄能器法兰连接结构简图
NXQ accumulator Flange connection
NXQ—※/※-F-※



三、外形尺寸/Dimensions

型 号 Model	公称压力 Pressure (MPa)	最大排 放流量 Max discharge flowrate		公称容量 Volume (L)	连接方式 Connection		基本尺寸 Dimension (mm)											重量 Weight (Kg)
					L	F	DM	ΦD1	ΦD2	ΦD3	ΦD4	n-ΦD5	ΦD6	H1	H2	ΦD		
		L	F		H													
NXQ※-0.4/※-L-※	10	1		0.4	250	-	M27x2	-	-	-	-	-	32 (Φ32x3.1)	52	-	89	4.9	
NXQ※-0.63/※-L-※				0.63	320	-										114	5.6	
NXQ※-1/※-L-※				1	320	-										114	7.2	
NXQ※-1.6/※-L/F-※		3.2	6	1.6	355	370	M42x2	42	50 (Φ50x3.1)	97	130	6-Φ17	50 (Φ50x3.1)	66	25	152	12.5	
NXQ※-2.5/※-L/F-※				2.5	420	435											15	
NXQ※-4/※-L/F-※				4	530	545											18.5	
NXQ※-6.3/※-L/F-※				6.3	700	715											25.5	
NXQ※-10/※-L/F-※		6	10	10	660	685	M60x2	50	70 (Φ70x3.1)	125	160	6-Φ21	70 (Φ70x3.1)	90.5	32	219	38.5	
NXQ※-16/※-L/F-※				16	870	895											50.5	
NXQ※-20/※-L/F-※				20	1000	1025											58	
NXQ※-25/※-L/F-※				25	1170	1195											68	
NXQ※-32/※-L/F-※				32	1410	1435											82	
NXQ※-40/※-L/F-※				40	1690	1715											98	
NXQ※-50/※-L/F-※				50	2040	2065											118	
NXQ※-20/※-L/F-※				10	15	20											685	700
NXQ※-25/※-L/F-※		25	780			795	92											
NXQ※-32/※-L/F-※		32	910			925	108											
NXQ※-40/※-L/F-※		40	1050			1065	125											
NXQ※-50/※-L/F-※	50	1240	1255			148												
NXQ※-63/※-L/F-※	63	1470	1485			176												
NXQ※-80/※-L/F-※	80	1810	1825			218												
NXQ※-100/※-L/F-※	100	2190	2205			266												
NXQ※-63/※-L/F-※	31.5	20	63	1188	1203	M80x3	80	95 (Φ95x3.1)	170	230	6-Φ26	90 (Φ90x3.1)	116	45	351	191		
NXQ※-80/※-L/F-※			80	1418	1433											228		
NXQ※-100/※-L/F-※			100	1688	1703											270		
NXQ※-125/※-L/F-※			125	2008	2023											322		
NXQ※-160/※-L/F-※			160	2478	2493											397		
NXQ※-100/※-L/F-※	20	25	100	1315	1360	M100x3	98	115 (Φ115x5.7)	220	255	8-Φ26	115 (Φ115x5.7)	116	50	426	441		
NXQ※-160/※-L/F-※			160	1915	1960											552		
NXQ※-200/※-L/F-※			200	2315	2360											663		
NXQ※-250/※-L/F-※			250	2915	2960											786		

括号内尺寸为O形密封圈尺寸, O形密封圈标准GB/1235-76 注: 1MPa=10bar=10.2Kg/cm²
The number in bracket is the size of O-seal ring which meets GB/1235-76 Note: 1MPa=10bar=10.2kg/cm²

❖ 四、安装位置/Mounting Position

囊式蓄能器可以垂直、水平、和倾斜安装。选择倾斜和垂直的安装位置，把油阀安置在下面。请优先用下列的蓄能器安装位置：

Accumulators can be installed vertically, horizontally and obliquely. When vertically or obliquely installed, the oil valve must be at the bottom. In case of the applications listed below, particular positions are recommended.

功能作用/Function	安装位置/Installation requirements
储蓄能量/Energy storage	垂直/Vertical
吸收脉动/Pulse damping	垂直和水平/Horizontal and vertical
保压/Pressure maintaining	垂直和水平/Horizontal and vertical
补偿容量/Volume compensation	垂直/Vertical

1.固定方式/Type of Mounting:

蓄能器容量在1升以下可以直接安装在管路上；在震动强烈和1升以上容量情况下建议使用本企业制造的卡箍或整套蓄能器固定组件。

Accumulators which volume is less than 1L, can be installed directly in the pipeline. For strong vibrations and volumes above 1 L, fixed with bracket or accumulator mounting sets are recommended.

2.氮气的充装/Charging Nitrogen:

要使蓄能器工作，必须把氮气充入到胶囊里去。氮气的充装用充气（氮）工具进行，建议使用本企业制造的CQJ型充气工具，如氮气的压力不能满足（高压）蓄能器的要求，建议使用本企业制造的氮气增压装置—CDZ型充气车（专利产品）。

Nitrogen must be charged into the bladder before the accumulator starts to work . Charging nitrogen must use charging tools—CQJ type charging tool. If nitrogen pressure does not meet the requirement of accumulator, please use chaori CDZ type nitrogen filling vehicle

3.注意事项/Caution:

蓄能器壳体上不得进行焊接和任何机械加工；蓄能器胶囊内只许充入氮气，不得使用氧气及其它可燃性和腐蚀性气体；蓄能器应安装在由溢流阀或其他安全阀的液压系统中。

Do not have welding or mechanical processing work on the accumulator shell; Only nitrogen are allowed. Use of Oxygen,combustible or corrosive gases is strictly prohibited. Accumulators should be mounted in the hydraulic systems which have overflow valves or safety valves.

❖ 五、订货说明/Booking Note:

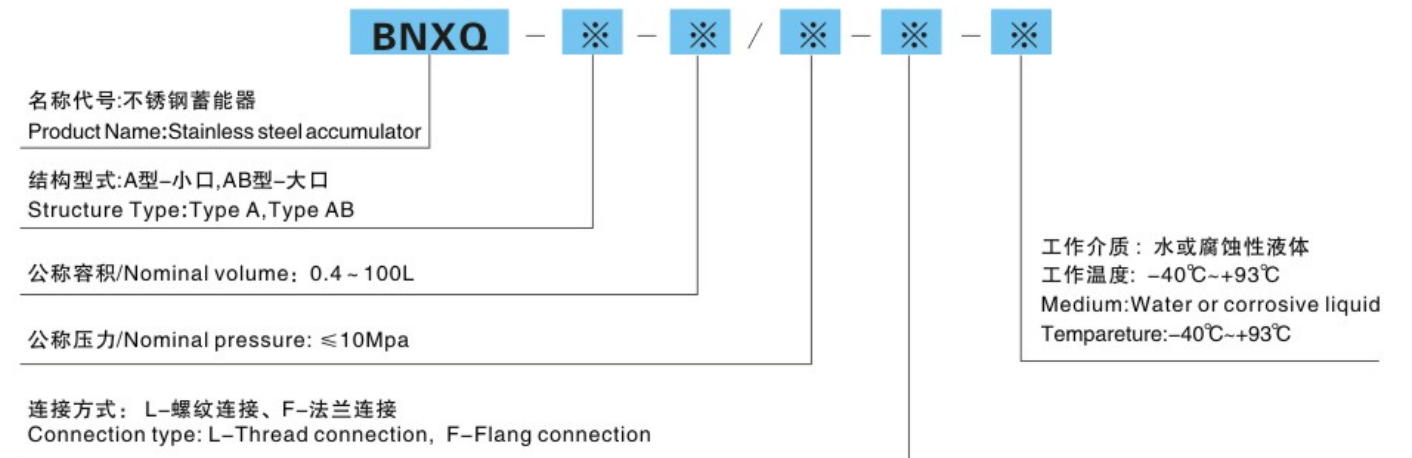
标准囊式蓄能器为：NXQA—40/31.5—F—Y。公称压力为31.5Mpa，公称容积为40L，连接形式为法兰连接以及液压油为工作介质的A型。

Standard bladder accumulator: NXQA—40/31.5—F—Y. Nominal pressure: 31.5MPa ; Nominal volume: 40L; Connection Type: Flanged connection; Medium: Hydraulic liquid.

不锈钢囊式蓄能器 SS Bladder accumulator



❖ 一、型号说明/Ordering Code



❖ 二、内部结构及外形尺寸参照国家标准囊式蓄能器/

Structure and Dimension according national standard bladder accumulator

ASME 规范囊式蓄能器 Bladder Accumulator (ASME)



一、型号说明/Ordering Code

BA(TA) - ※ / ※ - ※ - ※

结构形式/Structure:
底部拆式蓄能器:BA
顶部拆式蓄能器:TA1、TA2
Bottom Dismantlement: BA
Top Dismantlement: TA1、TA2

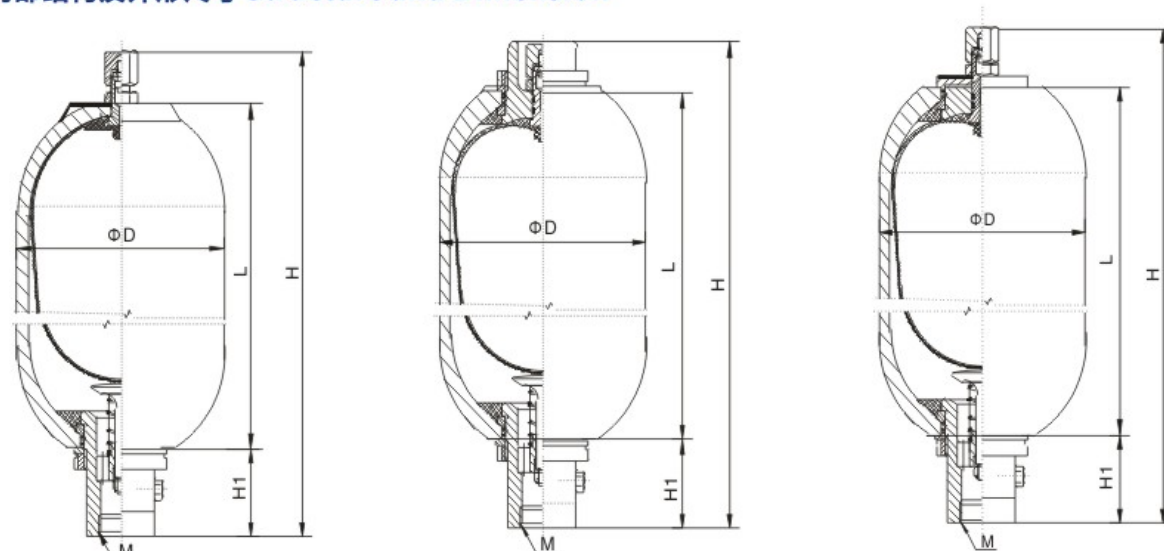
容积/Volume: 0.15~15gal

最高工作压力
Maximum Operating pressure: 3000PSI~ 5000PSI

工作介质: O-液压油
Medium: O-hydraulic oil

连接方式: L-螺纹连接、F-法兰连接
Connection type: L-Thread connection,
F-Flang connection

二、内部结构及外形尺寸 Structure and Dimension



BA型

TA1型

TA2型

设计压力/Design pressure	20.7Mpa	3000psi
	34.5Mpa	5000psi
试验压力/Test pressure	27Mpa	3900psi
	44.9Mpa	6500psi
工作介质/Medium	油、氮气	Oil、N ₂
工作温度/Operating temp	-20℃ ~ 70℃	-4° F ~ 158° F
充气压力范围/Charging pressure	最低工作压力60~90%	60~90%
连接方式/Connection type	螺纹连接	Thread connection
	法兰连接	Flang connection
固定方式/Fixation	紧固环与支承座	Fastening ring&Supporting seat
安装方式/Installation	垂直安装	Vertically mounted

3000PSI

型号 Model	容积 VOL		尺寸 Dimensions									净重/Netwt	
	gal	L	H		L		H1		D		M	IB	kg
BA-0.15/3000-N-0	0.15	0.6	12.6	320	7.48	190	2	51	3.5	89	3/4"	12.4	5.6
BA-0.25/3000-N-0	0.25	1	12.6	320	7.48	190			4.5	114		17.6	8
BA-0.6/3000-N-0	0.6	2.5	16.54	420	11.02	280	2.6	66	6	152	1 1/4"	30	14
BA-1.0/3000-N-0	1	4	20.87	530	15.35	390						40	18
BA (TA) -2.5/3000-N-0	2.5	10	21.56	550	16.14	410	3.5	89	9	229	2"	81	37
BA (TA) -5/3000-N-0	5	20	33.46	850	27.95	710						125	57
BA (TA) -8/3000-N-0	8	32	47.64	1210	42.13	1070						176	80
BA (TA) -10/3000-N-0	10	40	56.70	1440	51.18	1300						209	95
BA (TA) -11/3000-N-0	11	44	61.42	1560	55.9	1420						227	103
BA (TA) -14/3000-N-0	14	56	75.60	1920	70.08	1780						288	130
BA (TA) -15/3000-N-0	15	60	80.31	2040	74.8	1900						303	138

5000PSI

型号 Model	容积 VOL		尺寸 Dimensions									净重/Netwt	
	gal	L	H		L		H1		D		M	IB	kg
BA (TA) -2.5/5000-※-※	2.5	10	21.26	540	15.75	400	3.5	89	9.65	245	2"	139	63
BA (TA) -5/5000-※-※	5	20	32.68	830	27.17	690			9.65	245		203	92
BA (TA) -8/5000-※-※	8	32	46.46	1180	40.94	1040			9.65	245		280	127
BA (TA) -10/5000-※-※	10	40	55.12	1400	49.61	1260			9.65	245		329	149
BA (TA) -11/5000-※-※	11	44	59.84	1520	54.33	1380			9.65	245		355	161
BA (TA) -14/5000-※-※	14	56	73.62	1870	68.11	1730			9.65	245		432	196
BA (TA) -15/5000-※-※	15	60	78.35	1990	72.83	1850			9.65	245		460	209

注: 1、BA: 为底部拆式蓄能器, TA: 为顶部拆式蓄能器。

2、客户如需要加大流量或要求作顶部修理的其他型式尺寸的蓄能器可订购生产。

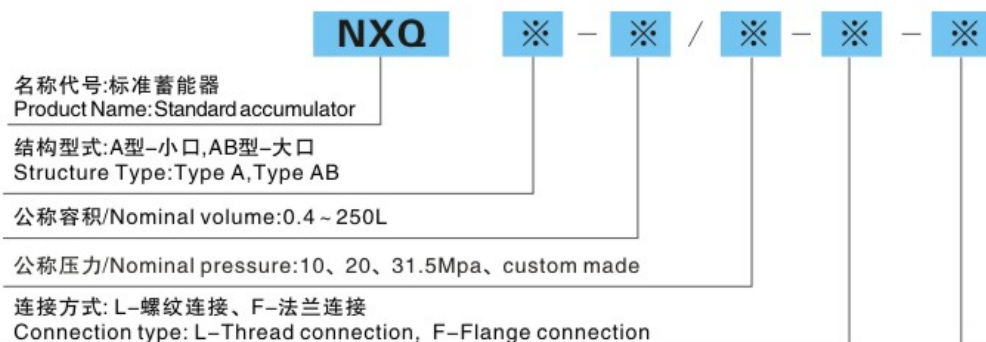
Note: 1、BA:Bottom dismantlement, TA:Top dismantlement .

2、Special accumulators not in the list, with increased flowrate or top dismantlement can be ordered accordingly.

执行欧盟PED指令的囊式蓄能器 PED type Bladder accumulator

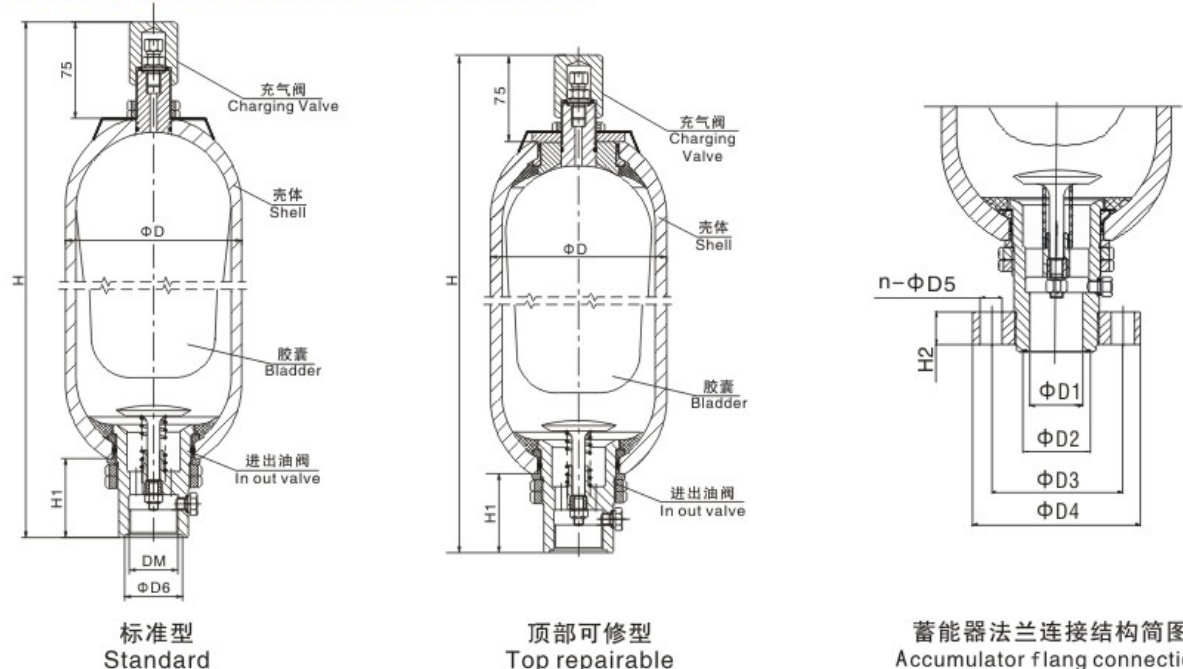


一、型号说明/Ordering Code



工作介质: Y-液压油,
R-乳化液,
EG-水乙二醇
工作温度:-20℃~+93℃
Medium:Y-Hydraulic liquid,
R-Emulsion
EG-Ethylene glycol
Temperature:-20℃~+93℃

二、内部结构及外形尺寸 Structure and Dimension



三、外形尺寸/Dimensions

型 号 Model	公称压力 Pressure (MPa)	最大排 放流量 Max discharge flowrate		公称容量 Volume (L)	连接方式 Connection		基本尺寸 Dimension (mm)											重量 Weight (Kg)
		L	F		L	F												
NXQ※-0.4/※-L-※	10	1		0.4	250	-	M27x2	-	-	-	-	-	32 (Φ32x3.1)	52	-	89	114	4.9
NXQ※-0.63/※-L-※				0.63	320	-												5.6
NXQ※-1/※-L-※				1	320	-												7.2
NXQ※-1.6/※-L/F-※		3.2	6	1.6	355	370	M42x2	42	50 (Φ50x3.1)	97	130	6-Φ17	50 (Φ50x3.1)	66	25	152		12.5
NXQ※-2.5/※-L/F-※				2.5	420	435												15
NXQ※-4/※-L/F-※				4	530	545												18.5
NXQ※-6.3/※-L/F-※		6	10	6.3	700	715	M60x2	50	70 (Φ70x3.1)	125	160	6-Φ21	70 (Φ70x3.1)	90.5	32	219		25.5
NXQ※-10/※-L/F-※				10	660	685												38.5
NXQ※-16/※-L/F-※				16	870	895												50.5
NXQ※-20/※-L/F-※				20	1000	1025												58
NXQ※-25/※-L/F-※				25	1170	1195												68
NXQ※-32/※-L/F-※				32	1410	1435												82
NXQ※-40/※-L/F-※	20	10	15	40	1690	1715	M72x2	60	80 (Φ80x3.1)	150	200	6-Φ26	80 (Φ80x3.1)	110	40	299		98
NXQ※-50/※-L/F-※				50	2040	2065												118
NXQ※-20/※-L/F-※				20	685	700												80
NXQ※-25/※-L/F-※				25	780	795												92
NXQ※-32/※-L/F-※				32	910	925												108
NXQ※-40/※-L/F-※				40	1050	1065												125
NXQ※-50/※-L/F-※		15	20	50	1240	1255	M72x2	60	80 (Φ80x3.1)	150	200	6-Φ26	80 (Φ80x3.1)	110	40	299		148
NXQ※-63/※-L/F-※				63	1470	1485												176
NXQ※-80/※-L/F-※				80	1810	1825												218
NXQ※-100/※-L/F-※				100	2190	2205												266
NXQ※-63/※-L/F-※		20	25	63	1188	1203	M80x3	80	95 (Φ95x3.1)	170	230	6-Φ26	90 (Φ90x3.1)	116	45	351		191
NXQ※-80/※-L/F-※				80	1418	1433												228
NXQ※-100/※-L/F-※				100	1688	1703												270
NXQ※-125/※-L/F-※				125	2008	2023												322
NXQ※-160/※-L/F-※				160	2478	2493												397
NXQ※-100/※-L/F-※		25		100	1315	1360	M100x3	98	115 (Φ115x5.7)	220	255	8-Φ26	115 (Φ115x5.7)	116	50	426		441
NXQ※-160/※-L/F-※				160	1915	1960												552
NXQ※-200/※-L/F-※				200	2315	2360												663
NXQ※-250/※-L/F-※				250	2915	2960												786

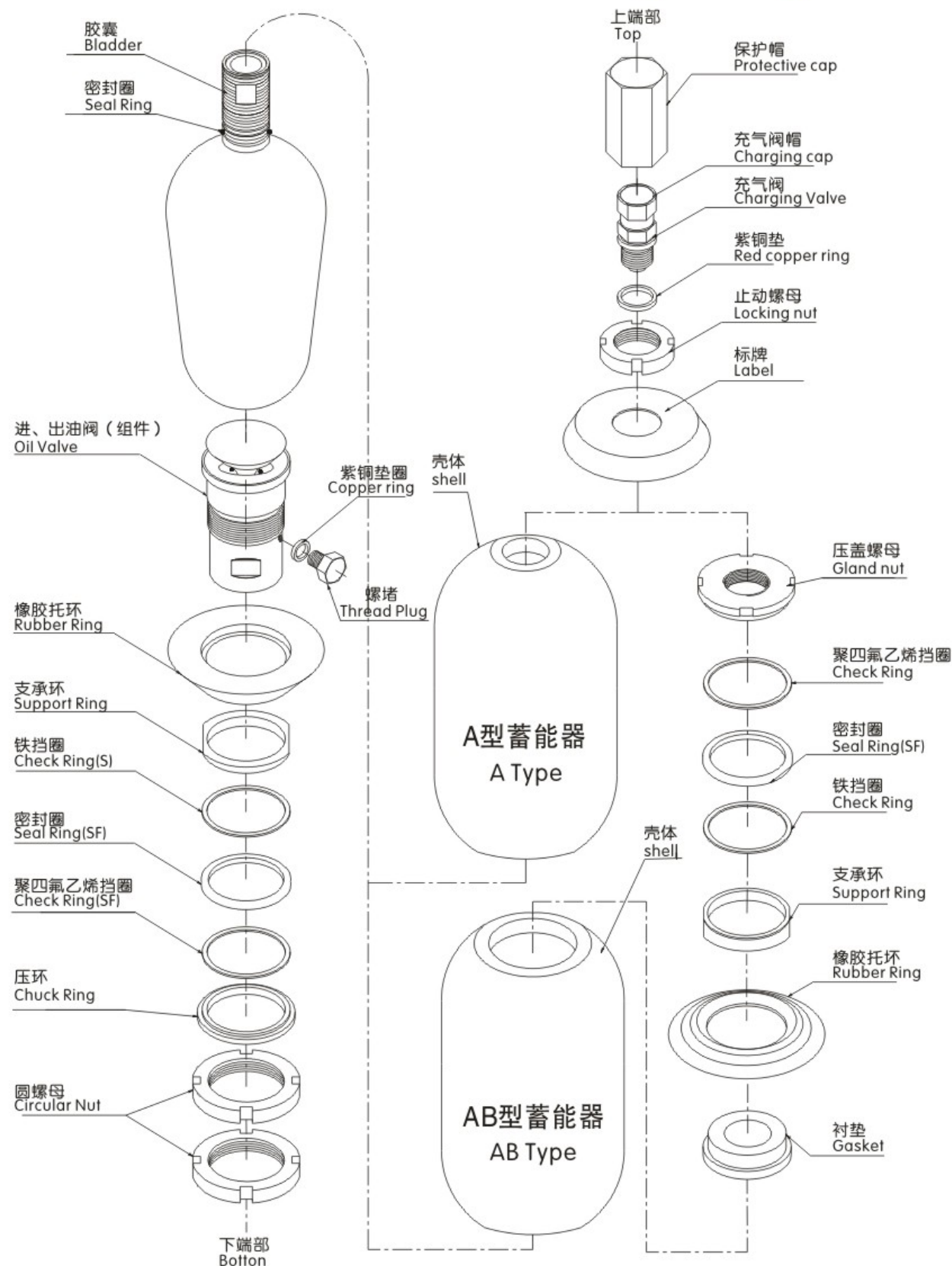
注: 1.对表格以外的特殊规格或连接尺寸的蓄能器,可根据用户要求进行生产;
2.若对蓄能器螺纹有特殊要求时,请同本企业商洽;
3.客户如需要加大流量的可订购生产。

Note: 1. Contact us if special requirement is needed.
2. Design change is retained by our company and amendment is effected without further notice.
3. If customers need to increase the flow of production can be ordered.

四、订货说明/Booking Note:

公称压力为31.5Mpa,公称容积为10L,连接形式为法兰连接F,以液压油为工作介质: NXQA-10/31.5-F-Y.
Nominal working Pressure 31.5Mpa,Nominal Volume 10L,Flange connection,Hydraulic oil: NXQA-10/31.5-F-Y.

囊式蓄能器装配示意图
Bladder Accumulator Assembly Drawing



非隔离式蓄能器 (CQP系列储气瓶)
CQP Nitrogen tank(Gas bottle)

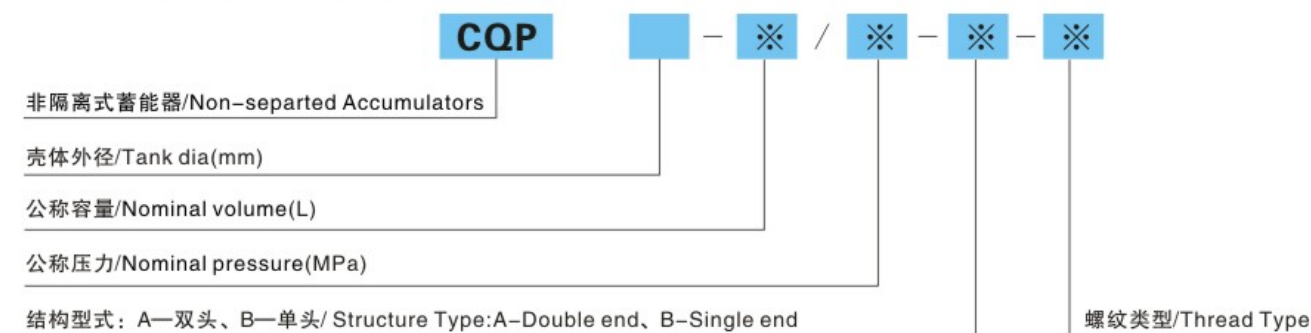
一、概述/General Description

非隔离式蓄能器是以储气方式储存能量。作为气体动力源，或作为非隔离蓄能器，在液压、气动系统中起储能和稳定压力等作用。具有容量大、功率损耗少、体积小等优点。本公司生产的储气瓶采用无缝钢管热旋压成形工艺，具有安全可靠、外形美观、性能稳定的特点。已广泛应用于机械工业和军工行业等领域之中。

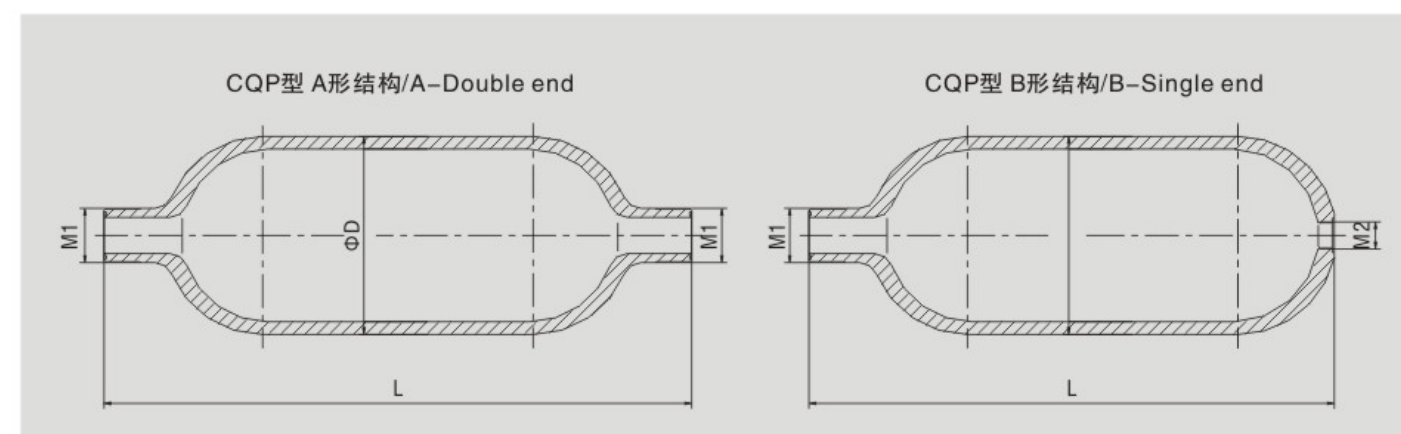
The gas container stores energy. In hydraulic and pneumatic systems, it can store energy and stabilize pressure. It has the advantage of big volume, small power and compact size. The gas containers adopt seamless steel tube thermal stretch spinning technique and have the advantages of high reliability, pretty appearance, and steady capability and so on. They have been widely used in mechanical industry and military industry.



二、型号说明/Ordering Code

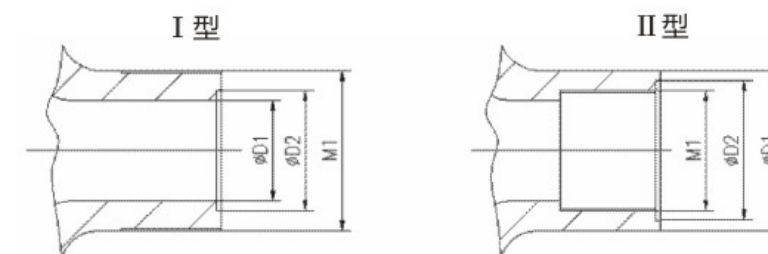


三、外形尺寸及规格/Dimensions and Sizes



❖ 四、外形尺寸/Dimensions

型 号 Model	外径/Outer diameter ΦD (mm)	公称压力 Nominal Pressure (MPa)	公称容量 Nominal Volume (L)	基本尺寸 Dimensions (mm)		连接螺纹 Connection thread		重量(Kg) Weight		
				A型	B型	M1	M2	A型	B型	
CQP219-10/20-※	219	20	10	540	480	Ⅰ 型 M1=M60×2 ΦD1=40 ΦD2=50	M30x1.5-6H (O型圈 Φ38×3.1)	25	22	
CQP219-16/20-※			16	740	680			34	32	
CQP219-25/20-※			25	1030	970			48	45	
CQP219-32/20-※			32	1250	1190			58	56	
CQP219-40/20-※			40	1510	1450			70	68	
CQP219-50/20-※			50	1830	1770			85	83	
CQP219-10/31.5-※		31.5	10	560	490	Ⅱ 型 M1=M30x1.5 ΦD1=50 ΦD2=38		28	27	
CQP219-16/31.5-※			16	760	700			40	39	
CQP219-25/31.5-※			25	1060	990			58	57	
CQP219-32/31.5-※			32	1300	1240			73	73	
CQP219-40/31.5-※			40	1560	1500			89	88	
CQP219-50/31.5-※			50	1900	1840			110	109	
CQP299-32/20-※	299	20	32	800	720	Ⅰ 型 M1=M80×2 ΦD1=50 ΦD2=60	M42x2-6H (O型圈 Φ50×3.1)	59	57	
CQP299-40/20-※			40	920	860			70	69	
CQP299-50/20-※			50	1090	1030			84	83	
CQP299-63/20-※			63	1310	1250			103	102	
CQP299-72/20-※			72	1460	1400			116	114	
CQP299-80/20-※			80	1600	1530			127	125	
CQP299-100/20-※			100	1940	1870			156	154	
CQP299-32/31.5-※		31.5	32	830	760	Ⅱ 型 M1=M60x2 ΦD1=80 ΦD2=70		80	78	
CQP299-40/31.5-※			40	970	910			96	95	
CQP299-50/31.5-※			50	1150	1080			116	114	
CQP299-63/31.5-※			63	1380	1320			141	140	
CQP299-72/31.5-※			72	1540	1480			159	158	
CQP299-80/31.5-※			80	1690	1620			176	174	
CQP299-100/31.5-※			100	2040	1980			215	214	
CQP351-63/※-※	351	20/31.5	63	1100	1030	Ⅰ 型 M1=M115×3 ΦD1=75 ΦD2=85	M42x2-6H (O型圈 Φ50×3.1)	155	153	
CQP351-80/※-※			80	1320	1250			189	185	
CQP351-100/※-※			100	1580	1510			229	226	
CQP351-125/※-※			125	1900	1840	Ⅱ 型 M1=M80×2 ΦD1=115 ΦD2=90		279	277	
CQP351-140/※-※			140	2090	2020			310	300	
CQP351-150/※-※			150	2230	2160			331	327	
CQP351-180/※-※			180	2620	2550			391	388	
CQP351-200/※-※			200	2880	2810			432	428	
CQP351-250/※-※			250	3520	3470			532	530	



❖ 五、注意事项/Matters needing attention

- 蓄能器不得采用焊接或铆接方法固定。
 - 蓄能器安装后应检查接口处是否漏气。
 - 蓄能器使用后，应按规定定期进行检查。
 - 蓄能器严禁使用氧气及易燃、易爆气体。
- Gas container should not be fixed by welding type or riveting type.
 - Be sure that there is no gas leakage after installed.
 - The gas bottle should carry on the inspection regularly according to the stipulation.
 - The oxygen gas and other tindery and explosive gases are forbidden.

❖ 六、订货说明/Booking Note

- 订货时须写明型号代号全称，如：工作压力为20MPa。公称容量16L，直径为Φ219结构形式为双头的储气瓶：CQP219-16/20-A
- Full type code is needed when booking.For example: the gas bottle of operating pressure:20MPa,nominal volume: 16L,diameter:219mm,structure type: double end.CQP219-16/20-A

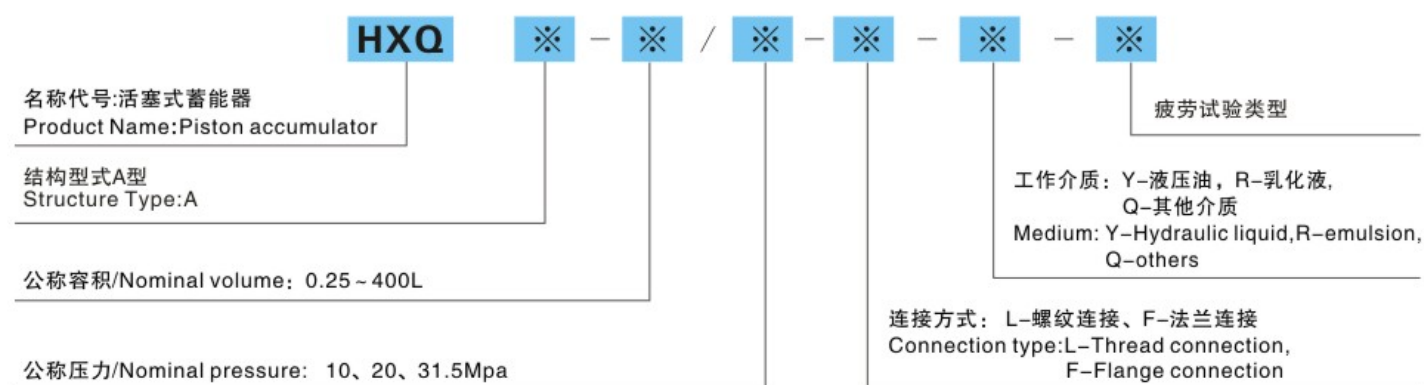
活塞式蓄能器/Piston accumulator

一、概述/General Description

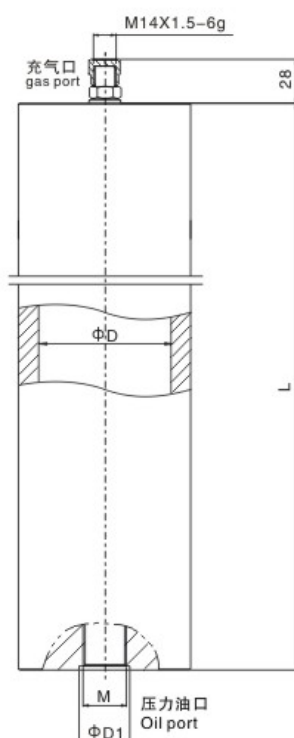
HXQ系列活塞式蓄能器，由本公司自行研究设计制造，产品规格齐全，可根据用户不同要求设计制造。本产品有结构新颖，密封性能好，无泄漏，耐高压，使用寿命长等特点。

HXQ series piston type accumulator, designed by our factory, with complete product specifications. we can design according customer request. Piston accumulator advantage with good sealing, no leakage, high temperature resistance, long service life.

二、型号说明/Ordering Code



三、内部结构及外形尺寸 Structure and Dimension



型号/Model	公称压力 Nominal Pressure (MPa)	公称容积 Nominal.V L	基本尺寸Dimensions (mm)				长度Length(mm)	重量/Weight (Kg)	
			ΦD	M	ΦD1	ΦD2	L		
HXQ※-0.22/※-※-※	10~99	0.22	63	M22 × 1.5	35	83	225	7.1	
HXQ※-0.49/※-※-※		0.49					310	8.5	
HXQ※-1/※-※-※		1					470	11.5	
HXQ※-2/※-※-※		2					795	17.5	
HXQ※-1/※-※-※	10~35	1	80	M27 × 2		108	380	22	
HXQ※-2/※-※-※		2					580	28	
HXQ※-2.5/※-※-※	10~99	2.5	100	M42 × 2		50	127	510	31
HXQ※-3.5/※-※-※	10~35	3.5						640	36
HXQ※-5/※-※-※		5			830			44	
HXQ※-6/※-※-※		6			955			49	
HXQ※-7.5/※-※-※		7.5			1145			57	
HXQ※-2/※-※-※	10~35	2	125	M42 × 2	163		390	44.5	
HXQ※-4/※-※-※		4					555	55.5	
HXQ※-5/※-※-※		5					635	61	
HXQ※-6/※-※-※		6					715	66.5	
HXQ※-6/※-※-※		6	194	600	86				
HXQ※-8/※-※-※		8		715	97				
HXQ※-10/※-※-※		10		830	107.5				
HXQ※-12/※-※-※		12		940	118				
HXQ※-10/※-※-※		10	180	219	670	90.5			
HXQ※-16/※-※-※		16			910	114			
HXQ※-25/※-※-※		25			1250	146			
HXQ※-32/※-※-※		32			1540	174			
HXQ※-35/※-※-※		35			1655	198			
HXQ※-40/※-※-※		40			1850	218			
HXQ※-45/※-※-※		45			2050	238			
HXQ※-50/※-※-※		50			2245	258			
HXQ※-25/※-※-※		21	25		195	M60 × 2	70	1116	121.5
HXQ※-30/※-※-※	30		1285					131.5	
HXQ※-40/※-※-※	40		1620	151.5					
HXQ※-50/※-※-※	50		1955	172.5					
HXQ※-40/※-※-※	10~35	40	200	245	1615			280.5	
HXQ※-45/※-※-※		45			1770			301.5	
HXQ※-50/※-※-※		50			1930			322.5	
HXQ※-60/※-※-※		60			2250			365.5	
HXQ※-20/※-※-※		20	220	267	850			192	
HXQ※-32/※-※-※		32			1165			250	
HXQ※-40/※-※-※		40			1380			267	
HXQ※-50/※-※-※		50			1640			323	
HXQ※-60/※-※-※		60			1905			341	
HXQ※-80/※-※-※		80			2430			443	

型号/Model	公称压力 Nominal Pressure (MPa)	公称容积 Nominal.V L	基本尺寸Dimensions (mm)				长度Length(mm)	重量/Weight (Kg)
			ΦD	M	ΦD1	ΦD2	L	
HXQ※-40/※-※-※	10~35	40	250	M72×2	80	299	1025	229
HXQ※-50/※-※-※		50					1410	263
HXQ※-60/※-※-※		60					1615	297
HXQ※-80/※-※-※		80					2020	364
HXQ※-100/※-※-※		100					2430	432
HXQ※-120/※-※-※		120					2840	500
HXQ※-60/※-※-※		60	310			377	1245	482
HXQ※-70/※-※-※		70					1380	525
HXQ※-80/※-※-※		80					1510	563
HXQ※-90/※-※-※		90					1645	605
HXQ※-100/※-※-※		100					1775	645
HXQ※-110/※-※-※		110					1910	686
HXQ※-120/※-※-※		120					2040	726
HXQ※-130/※-※-※		130					2175	770
HXQ※-140/※-※-※		140					2305	810
HXQ※-150/※-※-※		150					2440	850
HXQ※-160/※-※-※		160					2570	890
HXQ※-100/※-※-※		100	350			406	1560	730
HXQ※-120/※-※-※		120					1770	788
HXQ※-130/※-※-※		130					1870	817
HXQ※-150/※-※-※		150					2080	876
HXQ※-250/※-※-※		200					2600	1023
HXQ※-215/※-※-※		215					2755	1067
HXQ※-130/※-※-※		130	400			500	1620	1345
HXQ※-150/※-※-※		150					1780	1434
HXQ※-180/※-※-※		180					2020	1566
HXQ※-200/※-※-※		200					2180	1656
HXQ※-250/※-※-※		250					2570	1872
HXQ※-350/※-※-※		350					3370	2316

四、订货说明/Booking Note

- 1.活塞式蓄能器为:HXQA-50/20-L-Y-I,表示A型公称容积为50L,设计压力为20MPa,螺纹连接,工作介质为液压油,第一类疲劳试验要求的活塞式蓄能器。
- 2.本企业对上述产品拥有设计更改权,对修改不另行通知!
- 1.Piston accumulator:HXQA-50/20-L-Y-I, Nominal volume is 50L,Nominal pressure is 20Mpa thread connection.Medium is Hydraulic liquid.
- 2.Design change is retained by our company and amendment is effected without further notice.

五、特殊订购/Special order

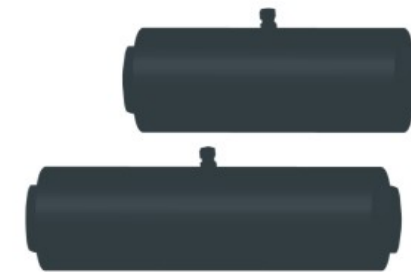
除以上结构尺寸外,用户如对ΦD(缸径),压力,连接方式,工作介质,工作温度,进气端和出油端提出特殊要求,请与本企业商洽。
Contant us if special requiement is needed,custon made are welcome.

管路式蓄能器 / Pipeline Accumulator

一、概述/General Description

GLXQ系列管路蓄能器是在液压装置、精密测量和控制装置的管路中起到减少振动、消除噪音的理想元件。其优点是:随管路串联安装、结构简单,并适合在要求较高的液压装置、精密测量和控制装置中应用。

Pipeline accumulator of GLXQ series is the ideal component to reduce the vibration and abate noise in the pipe of hydraulic devices, precision measurement and control device.It holds merits of series-wound installation with pipe and simpleness in structure.



二、型号说明/Ordering Code

GLXQ - ※ / ※ - F Y	
名称代号:管路式蓄能器 Product Name:Pipeline Accumulator	工作介质: Y-液压油, R-乳化油 Medium: Y-Hydraulic liquid,R-emulsion
公称容积/Nominal volume:0.16L、0.32L、0.63L、1.6L	连接方式: L-螺纹连接、F-法兰连接 Connection type:L-Threaded connection, F-Flanged connection
公称压力/Nominal pressure:10、20Mpa	

三、内部结构及外形尺寸/Stucture and Dimension

图1

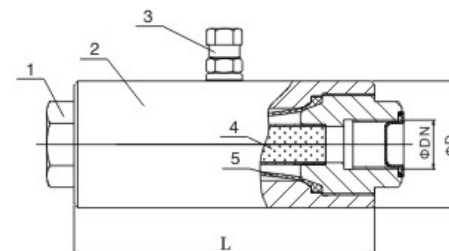


图2

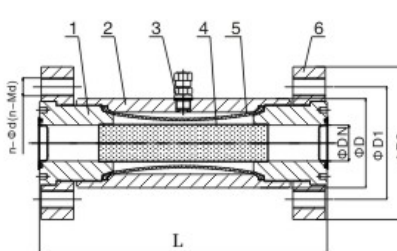
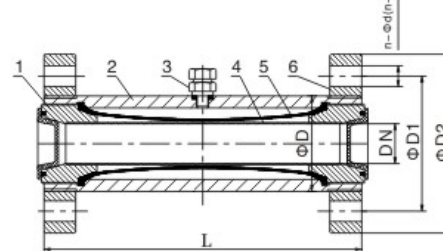


图3



型号	1	2	3	4	5	6
名称	管接头/Pipe joints	壳体/Shell	充气阀/Charging Valve	内管/Inner Pipe	管状胶囊/Tubular Bladder	法兰/Flange

型号/Model	通径DN mm	管长/Tube L (mm)	外径/Outer ΦD mm	连接尺寸 Connection size	法兰/Flange			备注
					ΦD1	ΦD2	n-Φd (n-M)	
GLXQ-0.16/※-L-※		166	70	M27X2				图1
GLXQ-0.32/※-F-※	Φ27	294	86		112	157	4-M18	图2
GLXQ-0.63/※-F-※	Φ40	320	99		125	170	4-M20	
GLXQ-1.6/※-F-※	Φ50	400	120		170	225	6-Φ26	图3

四、订货说明/Booking Note

- 1.订货时须写明型号代号全称,如:工作压力20MPa,公称容积0.16L,工作介质为矿物油,连接方式为螺纹连接的管路蓄能器。
如: GLXQ-0.16/20-L-Y
- 2.若对管路蓄能器有连接螺纹等特殊要求时, 请同本企业商洽。
- 3.本企业保留设计更改权, 对修改不另行通知。

- 1.Full type code is needed when booking. For example: pipeline accumulator of operating pressure:20MPa,nominal volume: 0.16L, medium:hydraulic liquid,threaded connelction. GLXQ-0.16/20-L-Y.
- 2.Contact us if special requirement is needed.
- 3.Design change is retained by our company and amendment is effected without further notice.

隔膜式蓄能器 / Diaphragm Accumulator



一、概述/General Description

ADB系列隔膜式蓄能器用于吸收脉动,吸收冲击,补偿泄漏。
ADB series diaphragm accumulaotr is for absorbing pulsation, impact and compensation leaks

二、内部结构/Stucture

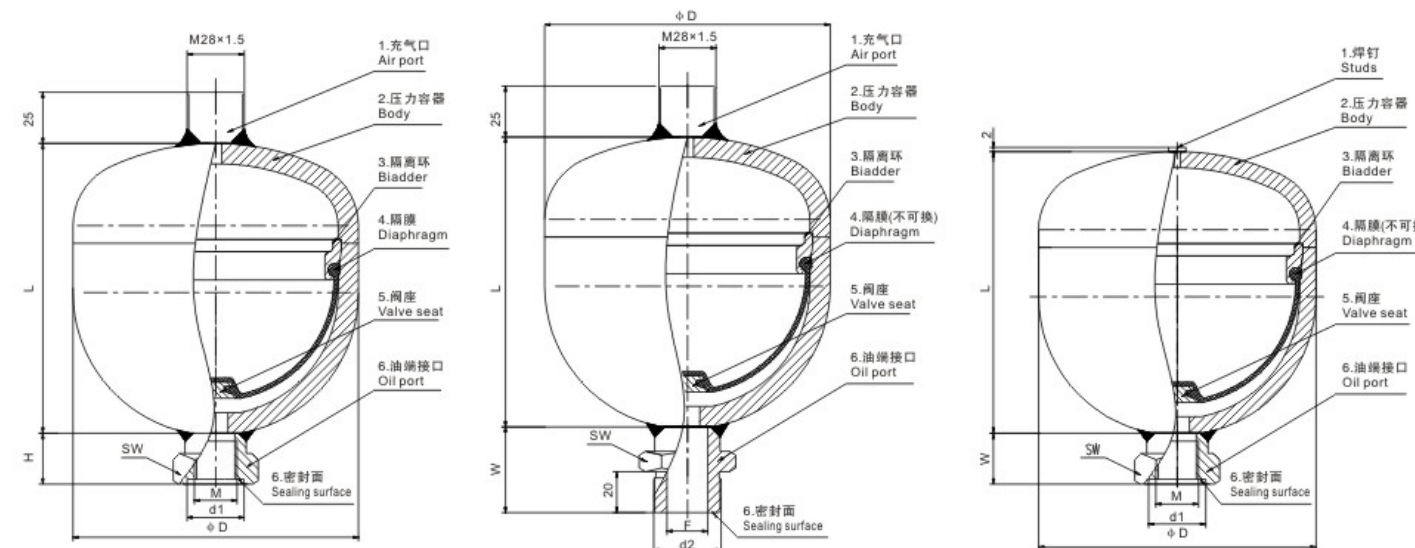
隔膜式蓄能器型式: 焊接式
A型焊接式
焊接的压力容器, 气端可用本公司生产的GCQJ
充气工具充气,油端连接可有多种型式。
柔性隔膜(不可更换), 用于隔离油液和气体。
设置在隔膜底部的阀座。

There are two types: the diaphragm accumulator welding type and screw type
Welding Type A:
Welding of pressure vessels,use chaori GCQJ charging, oil has been
Connected to a variety of types.
The flexible diaphragm (not change), is used to isolate the oil and gas.
Set the diaphragm at the bottom of the seat.

三、型号说明/Ordering Code

名称代号:隔膜式蓄能器 Product Name:Diaphragm accumulator	结构型式: A型,B型 Structure Type:A、 B	公称容积/Nominal volume: 0.16~3.5L	公称压力/Nominal pressure: 10~33MPa	壳体材料: 1.碳钢 2.不锈钢 3.低温 Shell material: 1.carbon steel 2.stainless steel 3.Low temperature	隔膜材料Diaphragm material: 1.丁腈NBR 2.丁基IIR 3.氟FKM 4.氯丁CR 5.其它	最大工作压力Maximum working pressure (MPa)	液端连接形式: A: 内螺纹 B: 其它 C: 外螺纹 Liquid end connection type: A: internal thread B: other C: external thread	工厂预充压力 Factory precharge pressure
ADB	A	※	/	※	※	※	※	※

四、内部结构及外形尺寸/Stucture and Dimension



(ADB-A) A型接口
(ADB-A) A chain of interface

(ADB-A) C型接口
(ADB-A) C chain of interface

(ADB-B) B型接口
(ADB-B) B chain of interface

A/B型隔膜式蓄能器 /A/B Type diaphragm Accumulator

型号/ Model	公称容积 Nominal volume L	工作压力 Nominal pressure MPa	ΦD mm	L mm	H mm	油端接口 Pore			W (mm)	SW (mm)	重量 (Kg)
						A型		C型			
						公制/Metric	英制/Inch	公制/Metric			
ADB-A/ ADB-B	0.075	10	64	70	25	M14x1.5/ (O型圈 Φ25x2.4)	G1/2 Φ28x3.1	M18x1.5	32	32	1.5
	0.16		74	80							2
	0.25		84	85							2.5
	0.32		93	93							3.5
	0.5	21	105/107	113	25	M18x1.5/ (O型圈 Φ25x2.4)	G1/2 Φ28x3.1	M18x1.5	32	32	4
	0.6		115	122							5
	0.75		121/125	126							6
	1		136/140	142							47.5
	1.4	33	150/154	160	30	M22x1.5/ (O型圈 Φ28x3.1)	G3/4 Φ35x3.1	M33x1.5/ M45x1.5/	42	36	9.5
	2		170/173	177							14.5
	2.8		170/173	234							17.5
	3.5		170/173	280							21.5

五、订货说明/Booking Note

- 1.订货时须写明型号代号全称, 如: 公称容量为0.75L, 设计压力为21Mpa, 壳体材料为碳钢, 隔膜材料为NBR螺纹连接, 预充压力5MPa的焊接隔膜式蓄能器: ADB-A-0.75/21-1-1-A-5。
- 2.若对隔膜式蓄能器有接口尺寸等特殊要求时, 请同本企业商洽。
- 3.本企业保留设计更改权, 对修改不另行通知。
- 1.Full type code is needed when booking. For example: Nominal volume is 0.75L,Nominal Pressure 21MPa,The shell material is carbon steel, the diaphragm material is NBR threaded connection, and the pressure is 5MPaWelded diaphragm accumulator: ADB-A-0.75/21-1-1-A-5
- 2.Contact us if special requirement is needed
- 3.Design change is retained by our company and amendment is effected without further notice.

囊式蓄能器站 / Bladder accumulator station

一、概述/General Description

朝日液压公司可提供一系列完整的囊式蓄能器站，囊式蓄能器站包括了固定支架、囊式蓄能器、控制阀组、球阀、进出油管、回油管等。
Chaori hydraulic corporation offers series of full bladder type accumulator station which include fixed bolster, bladder type accumulator, control valve group, ball valve, pipeline, oil return pipe, etc.

二、型号说明/Ordering Code

名称代号: NZ-囊式蓄能器站

Product Name: Bladder accumulator station

囊式蓄能器的数量: 以阿拉伯数字表示

Quantity of accumulator: Expressed in Arabic numerals

单个囊式蓄能器的容积, 单位: L / Volume of each Bladder accumulator

囊式蓄能器的压力单位: Mpa / Working pressure of accumulator station

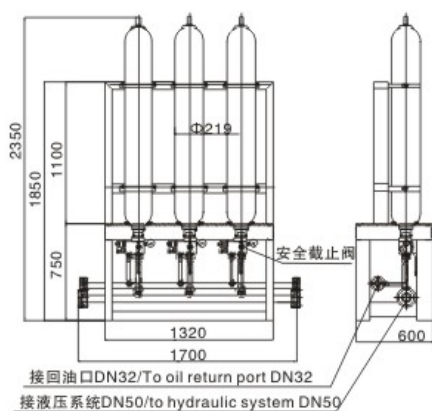
工作介质: Y-液压油, R-乳化液 / Medium: Y-Hydraulic liquid, R-emulsion

NZ - ※ × ※ / ※ - ※

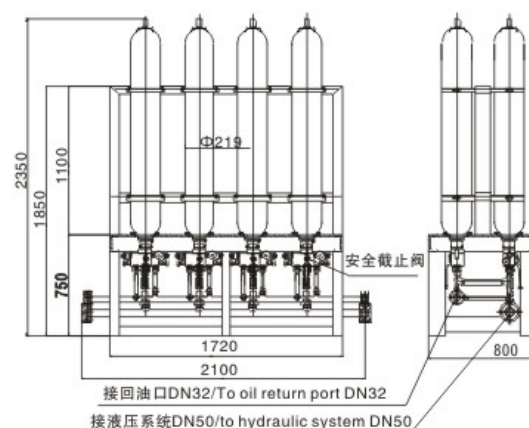


三、内部结构及外形尺寸/Structure and Dimension

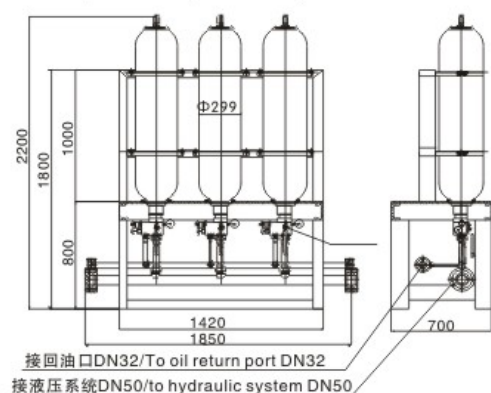
- ◆囊式蓄能器站--示例1 技术数据3个皮囊式蓄能器, 每个容量为40L, 带有安全截止阀
Bladder Accumulator Station for example 1 Specification: 3 bladder accumulators, each 40L, With safety shutoff valve



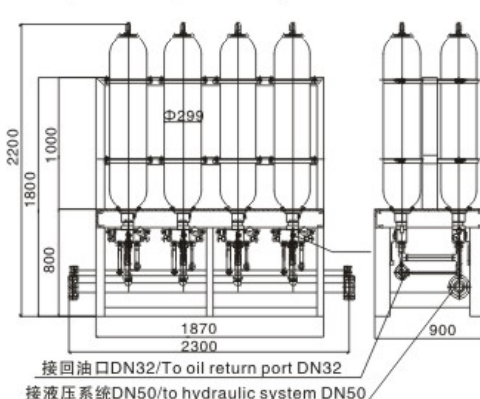
- ◆囊式蓄能器站--示例2 技术数据8个皮囊式蓄能器, 每个容量为40L, 带有安全截止阀
Bladder Accumulator Station for example 2 Specification: 8 bladder accumulators, each 40L, With safety shutoff valve



- ◆囊式蓄能器站--示例3 技术数据3个囊式蓄能器, 每个容量为63L, 带有安全截止阀
Bladder Accumulator Station for example 3 Specification: 3 bladder accumulators, each 63L, With safety shutoff valve



- ◆囊式蓄能器站--示例4 技术数据8个囊式蓄能器, 每个容量为63L, 带有安全截止阀
Bladder Accumulator Station for example 4 Specification: 8 bladder accumulators, each 63L, With safety shutoff valve



四、订货说明/Booking Note

1. 订货时须写明皮囊式蓄能器的容积, 所配置的部件名称及要求/Full type code is needed when booking.
2. 若对皮囊式蓄能器站有特殊要求时, 请向本企业商洽/Contact us if special requirement is needed.
3. 本企业保留设计更改权, 对修改不另行通知/Design change is retained by our company and amendment is effected without further notice.

活塞式蓄能器站及氮气瓶组 / Piston accumulator station and nitrogen cylinder group

一、概述/General Description

朝日液压公司可提供一系列完整的活塞式蓄能器站, 活塞式蓄能器站包括了固定支架、活塞式蓄能器、控制阀组、球阀、气体安全阀、储气瓶组等。

Chaori hydraulic corporation offers series of full piston accumulator station, which include fixed bolster, piston accumulator, control valve group, ball valve, gas protection valve, nitrogen cylinder group, etc.

二、型号说明/Ordering Code

名称代号: HZ-活塞式蓄能器站

Product Name: Piston accumulator station

活塞式蓄能器的数量: 以阿拉伯数字表示

Quantity of accumulator: Expressed in arabic numrals

单个活塞式蓄能器的容积, 单位: L / Volume of each piston accumulator

非隔离式蓄能器的数量: 以阿拉伯数字表示

Quantity of gas bottle: Expressed in arabic numrals

单个非隔离式蓄能器容积: 单位: L / Volume of each gas bottle

蓄能器站工作压力: 单位: Mpa / Workig pressure of accumulator station

工作介质: Y-液压油, R-乳化液 / Medium: Y-Hydraulic liquid, R-emulsion

HZ - ※ × ※ / ※ × ※ / ※ - ※

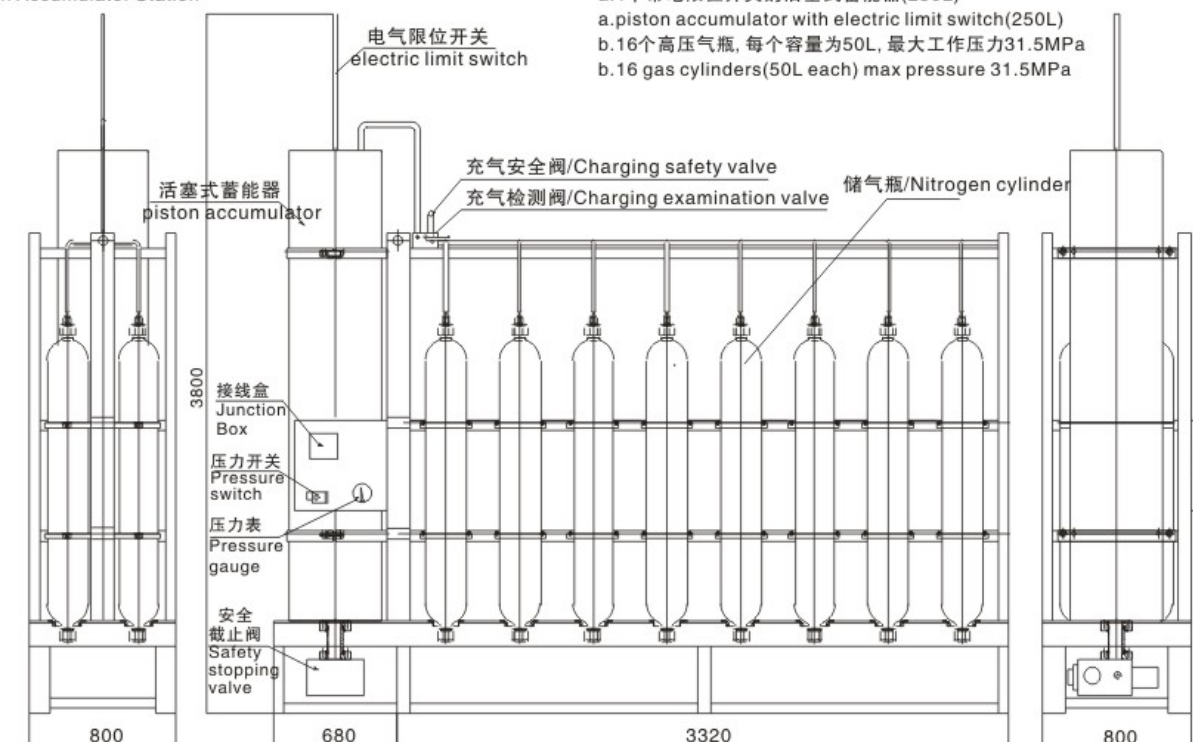


三、内部结构及外形尺寸/Structure and Dimension

活塞式蓄能器站--示例/
Piston Accumulator Station

技术数据/Technical data:

1. 1个带电限位开关的活塞式蓄能器(250L)
a. piston accumulator with electric limit switch(250L)
2. 16个高压气瓶, 每个容量为50L, 最大工作压力31.5MPa
b. 16 gas cylinders(50L each) max pressure 31.5MPa



四、订货说明/Booking Note

1. 订货时须写明活塞式蓄能器的容积, 所配置的部件名称及要求/Full type code is needed when booking.
2. 若对活塞式蓄能器站有特殊要求时, 请向本企业商洽/Contact us if special requirement is needed.
3. 本企业保留设计更改权, 对修改不另行通知/Design change is retained by our company and amendment is effected without further notice.

CDZ-Y₁型充氮车 (氮气增压装置) CDZ-Y₁ N₂ Charging Vehicle(N₂ Pressurization)

❖ 一、概述/General Description

CDZ-Y₁型充氮车适用于NXQ系列液压囊式蓄能器、活塞式蓄能器、隔膜式蓄能器(包括进口蓄能器)及其它高压容器充装、增压氮气的专用增压装置,其最高增压氮气压力为42MPa。

CDZ-Y₁ Nitrogen Charging Vehicle works as a special N₂ pressurizer and charging device of hydraulic accumulator, piston accumulator, diaphragm accumulator and other high-pressure vessel of NXQ series. Max N₂ pressure is 42MPa.

❖ 二、型号说明/Ordering Code

名称代号:充氮车 Product Name:Nitrogen charging vehicle	CDZ	-	※	Y1
公称压力/Nominal pressure:25、35、42Mpa				
换向方式:液压先导式/Reversing type:Hydraulic Pilot				

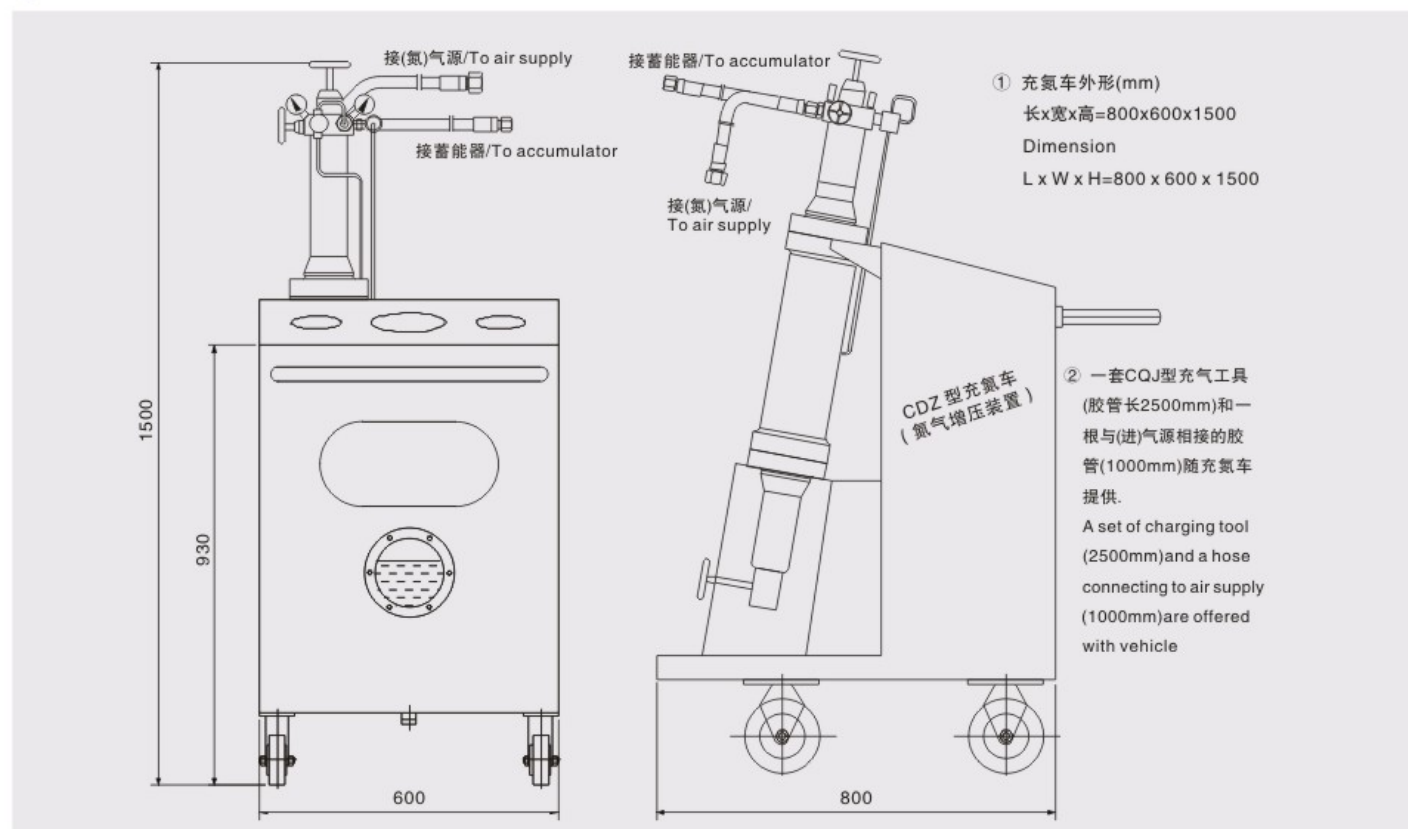


❖ 三、工作原理/Operating Principle

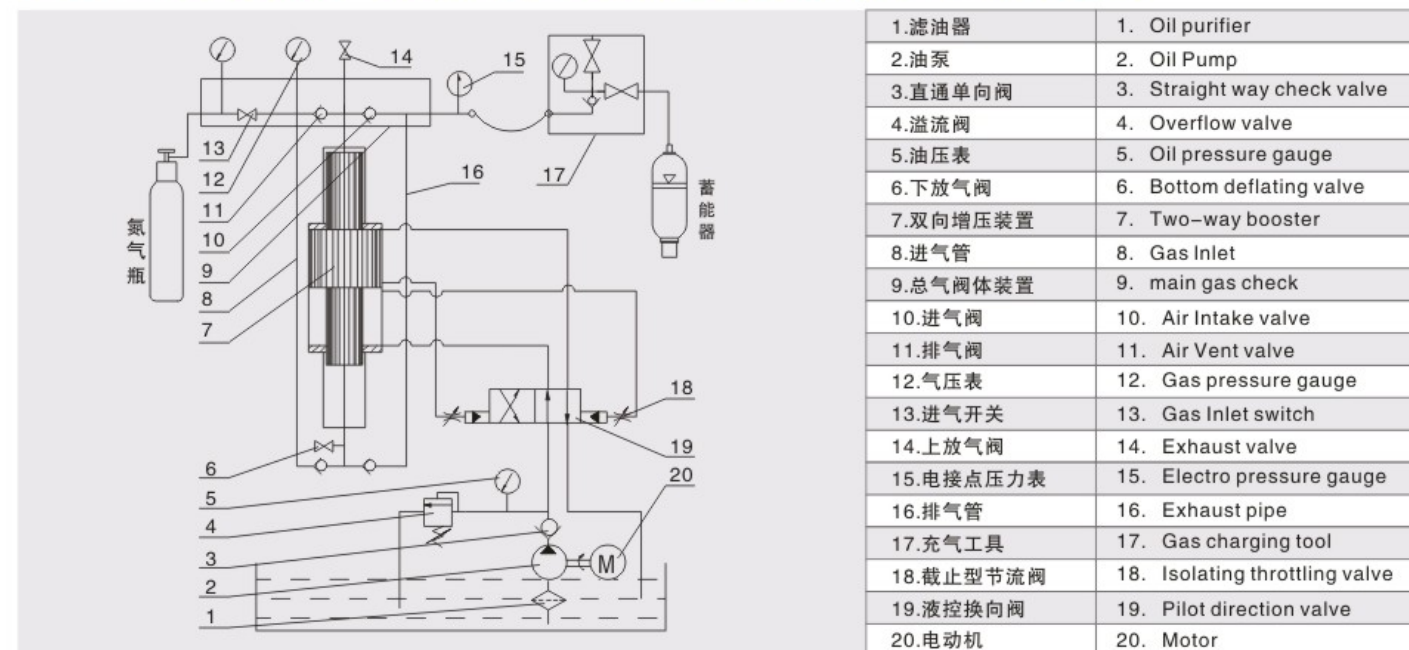
本型充氮车由液压装置、气路装置和电路装置等组成,当压力流体通过换向阀进入增压器时,推动活塞作向上(下)运动,使进入到上(下)增压器的氮气增压,且经单向阀充入蓄能器(或高压容器)内,活塞如此上下往复运动,使氮气增压到所需要的工作压力(42MPa以内)。

The Nitrogen Charging Vehicle consists of hydraulic device, gas device and electric device. The pressure fluid flows into the pressurizer through reversal valve to push the piston move upward(downward) to pressurize the N₂ in the pressurizer and then flow into the accumulator (or high-pressure Vessel) through holding valve. N₂ is pressurized to the operating pressure by the reciprocating movement of piston. (Less than 42 Mpa)

❖ 四、内部结构及外形尺寸/Structure and Dimension



❖ 五、CDZ-Y1充氮车液压结构原理图/CDZ-Y1 nitrogen charging vehicle drawing



❖ 六、技术规格/Technical Parameter

型号 Model	输入压力P _{in} (MPa)	最高输入压力 Max P _{in} (MPa)	油泵/Pump		增压器/Pressurizer		重量 Weight (kg)
			压力/Pressure (MPa)	流量/Flux (L)	增压比 Rate	增压次数 Times/min	
CDZ-25Y1	3~13.5	25	7	16	1:6	8	285
CDZ-35Y1	3~13.5	35	7	16	1:6	8	285
CDZ-42Y1	3~13.5	42	7	16	1:7	8	285

❖ 七、典型应用/Typical Application

1. 气体增压: 如蓄能器、飞机轮胎、高压容器、电讯电缆等充装、增压(氮气)或惰性气体。
 2. 管道压力测试工具的泄漏测试: 例如航空航天、油田、炼化、汽车、仪器等测试气(氮)体或惰性气体。
 3. 气(氮)体加注: 如化学过程、塑胶过程。
 4. 将气体回收: 如将残留在氮气瓶中的气体或惰性气体回收至高压容器中, 便于以后使用。
 5. 高压气体的输出与充填: 如氮气、惰性气体等。
1. Gas Pressurization: charge or pressurize accumulator, aero tire, and high-pressure vessel, telecommunication cable with N₂ or inert gases.
 2. Pipe pressure test: N₂ or inert gases in aerospace, oil field, refining, automobile, instruction.
 3. Gas replenishment: chemical processes, plastic processes.
 4. Gas Reuse: recover the gas or inert gas left in the nitrogen cylinder to high-pressure vessel for further usage.
 5. Gas output and charging: N₂, inert gases

❖ 八、订货说明/Booking Note

1. 订货时须写明型号代号全称, 如: 工作压力为25Mpa, 换向方式为液控先导式的充氮车: CDZ-25Y1。
 2. 如对充氮车还有特殊要求时, 请向本企业商洽。
 3. 本企业保留设计更改权, 对修改不另行通知。
1. Full type code is needed when booking. For example: Nitrogen charging vehicle of operating pressure: 25MPa, reversing type, hydraulic pilot: CDZ-25Y1.
 2. Contact US if special requirement is needed.
 3. Design change is retained by our company and amendment is effected without further notice.

CDZ-D1型充氮小车（氮气增压装置） CDZ-D1 N₂ Charging Vehicle(N₂ Pressurization)

❖ 一、概述/General Description

CDZ-D1型充氮小车适用于NXQ系列囊式蓄能器、活塞式蓄能器、液压隔膜式蓄能器（包括进口蓄能器）及其它高压容器充装、增压氮气的专用增压装置。

CDZ-D1 Mini Nitrogen Charging Vehicle works as a special N₂ supercharging device and charging device of hydraulic bag accumulator, piston accumulator, diaphragm accumulator and other high—pressure vessel of NXQ series. Max N₂ pressure is 42MPa.

❖ 二、型号说明/Ordering Code

名称代号: 充氮小车 Product Name: Nitrogen Charging Vehicle	CDZ	-	25	D1	2.5L
压力等级/Nominal Pressure: 25、35MPa					
换向方式: 电磁换向式 Reversing Type: Electromagnetic Directional Type					
充气容积/Inflatable Volume: 1.6L、2.5L、4L					

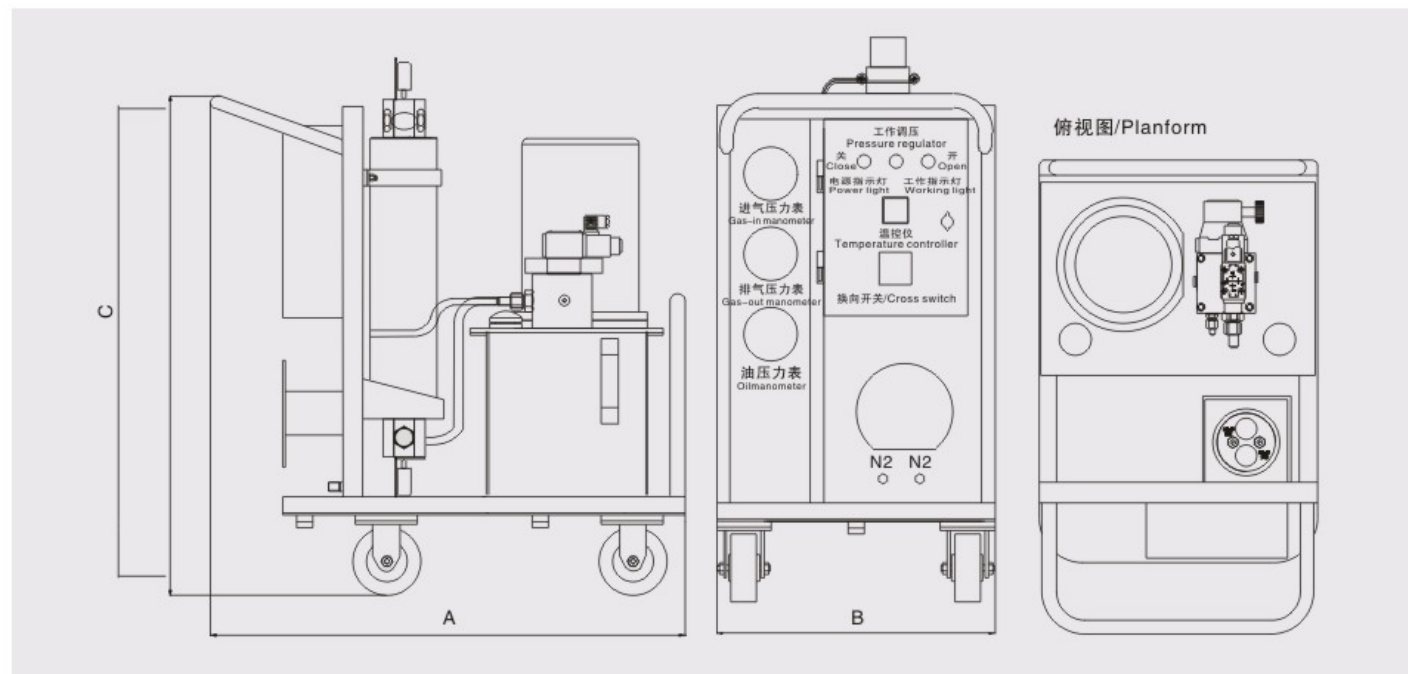


❖ 三、工作原理/Operating Principle

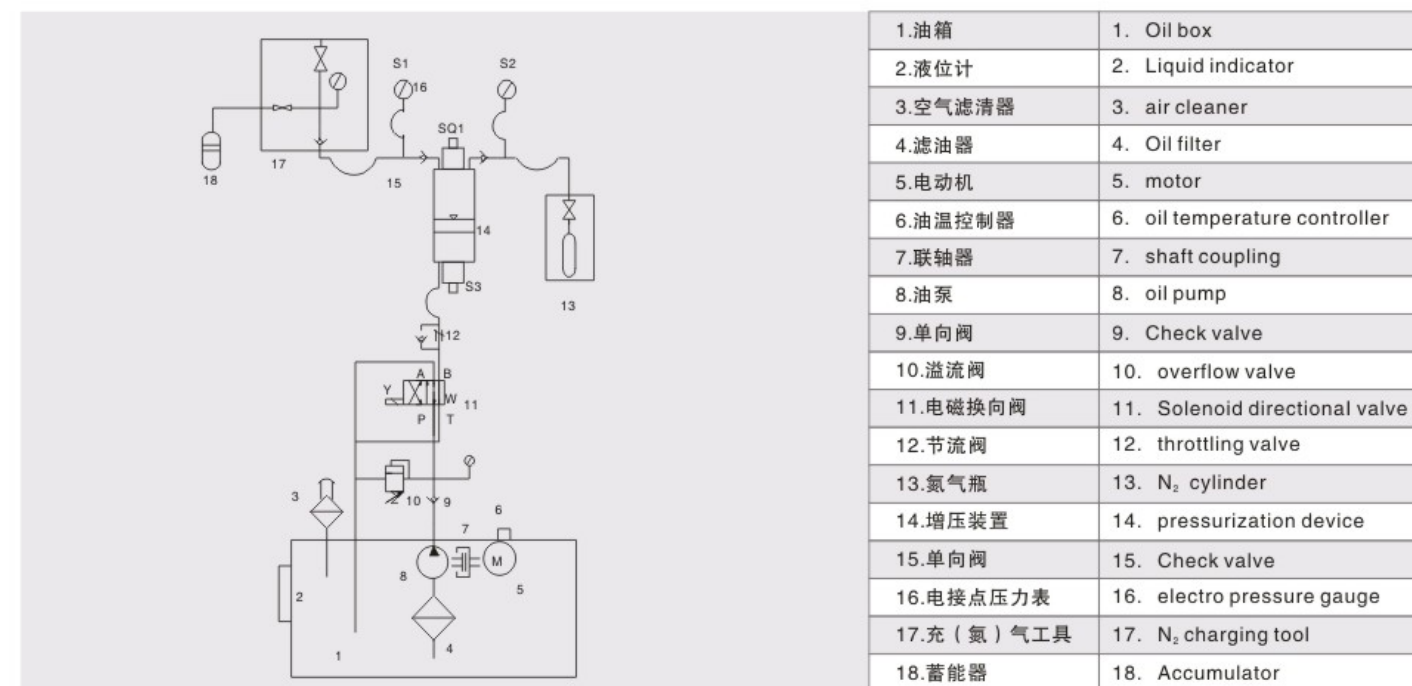
本型充氮车由液压系统、气路系统和电路系统等组成，当压力油液通过电磁换向阀进入增压缸内，推动活塞运动时，进入到增压缸内的氮气开始增压且经单向阀、充气工具入蓄能器（或高压容器内）。并通过限位开关的作用，使活塞作上下反复运动，使氮气增压到所需的工作压力时，即自行停机。

The Nitrogen Charging Vehicle consists of hydraulic system, gas system and electric system. The pressure fluid flows into the pressure cylinder through solenoid directional valve to push the piston move upward (downward) to pressurize the N₂ in the pressure cylinder and then flow into the accumulator (or high—pressure Vessel) through holding valve and charging tool. N₂ is pressurized to the operating pressure by the reciprocating movement of piston under the effect of limit switch. After that turned off itself.

❖ 四、内部结构及外形尺寸/Structure and Dimension



❖ 五、结构原理图/Structure Drawing



❖ 六、技术参数/Technical Parameter

型 号 Model	输入压力 Pin (MPa)	最高输入压力 Max Pin (MPa)	油泵/Pump		充气装 置容积 Volume (L)	电 源 Power	A (mm)	B (mm)	C (mm)	重量 Weight (kg)
			压力(MPa) Pressure	流量/Flux (L)						
CDZ-25D1-1.6L	3~13.5	25	31.5	3.75	1.6	3相 380V 50Hz	890	520	950	240
CDZ-25D1-2.5L				7.5	2.5		890	520	950	245
CDZ-25D1-4.0L				15	4		1200	640	1200	300
CDZ-35D1-1.6L		35	50	2.68	1.6		890	460	950	240
CDZ-35D1-2.5L				5.37	2.5		890	520	950	245
CDZ-35D1-4.0L				10.74	4.0		1200	640	1200	300

❖ 七、订货说明/Booking Note

- 1、订货时须写明型号代号全称，如：工作压力为25Mpa，充气装置容量为2.5L，电磁换向式的充氮小车：CDZ-25D1-2.5L
 - 2、若对充氮小车还有特殊要求时，请向本企业商洽。
 - 3、本企业保留设计更改权，对修改不另行通知。
1. Full type code is needed when booking. For example: Nitrogen charging vehicle of operating pressure: 25MPa, air supply volume 2.5L, reversing type, electromagnetic directional type: CDZ-25D1-2.5L.
 2. Contact us if special requirement is needed.
 3. Design change is retained by our company and amendment is effected without further notice.

CDZs-D1型充氮小车(氮气增压装置) CDZs-D1 N₂ Charging Vehicle(N₂ Pressurization)

❖ 一、概述/General Description

CDZs-D1型充氮小车适用于NXQ系列囊式蓄能器、活塞式蓄能器、隔膜式蓄能器(包括进口蓄能器)及其它高压容器充装、增压氮气的专用增压装置。

CDZs-D1 Mini Nitrogen Charging Vehicle works as a special N₂ supercharging device and charging device of hydraulic bag accumulator, piston accumulator, diaphragm accumulator and other high-pressure vessel of NXQ series. Max N₂ pressure is 42MPa.

❖ 二、型号说明/Ordering Code

名称代号:充氮小车数显 Product Name:Nitrogen Charging Vehicle	CDZs	-	※	D1	※L
压力等级/Nominal Pressure: 25、35MPa					
换向方式: 电磁换向式 Reversing Type:Electromagnetic Directional Type					
充气容积/Inflatable Volume:1.6L、2.5L、4L					

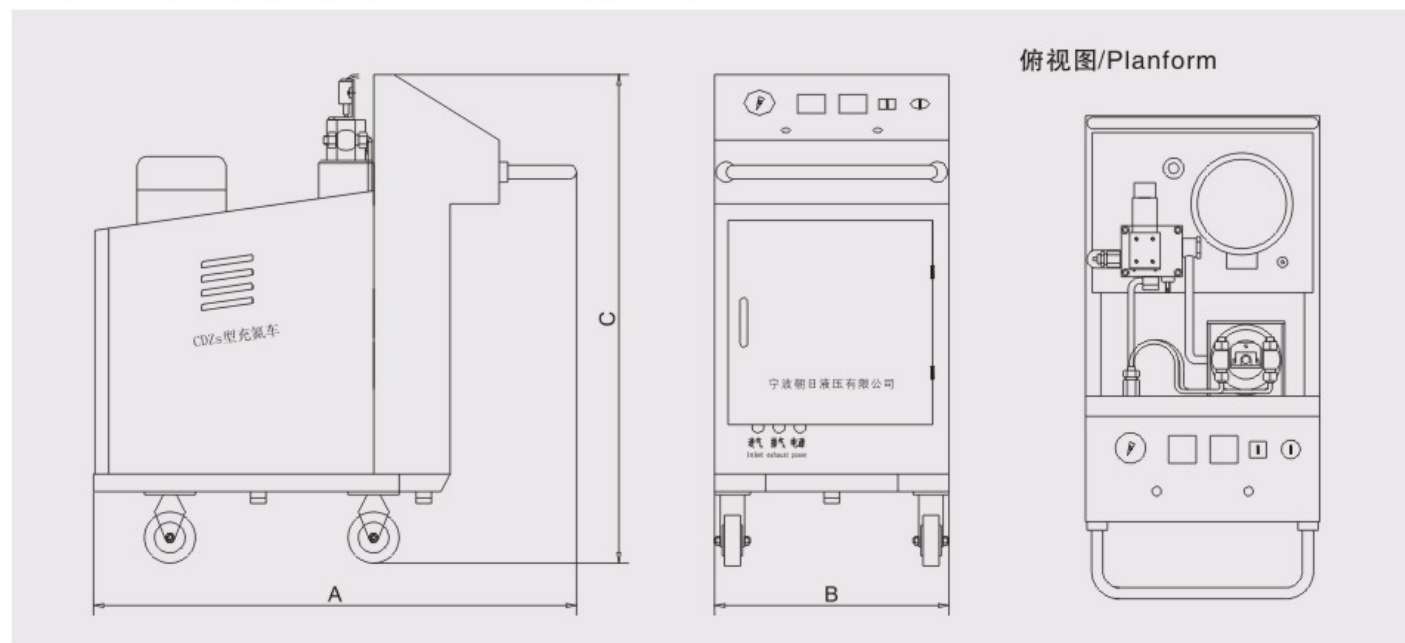


❖ 三、工作原理/Operating Principle

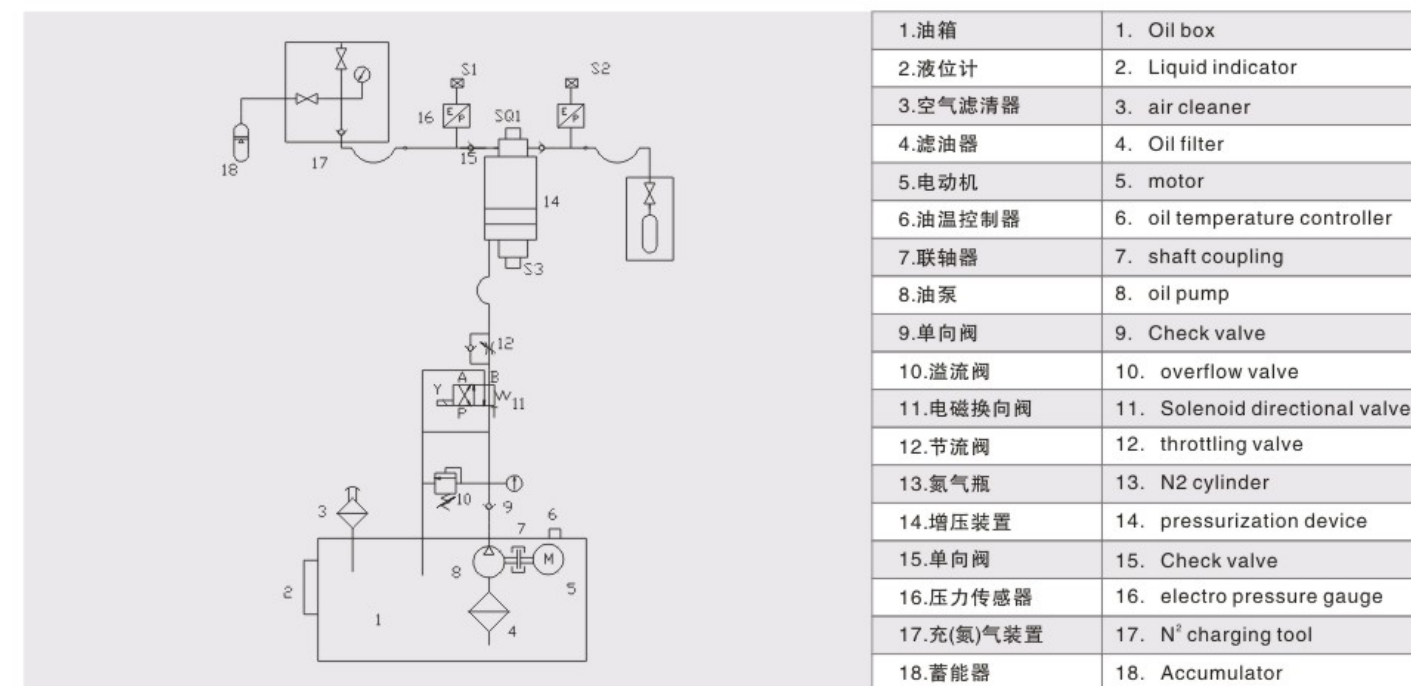
本型充氮车由液压系统、气路系统和电路系统等组成,当压力油液通过电磁换向阀进入增压缸内,推动活塞运动时,进入到增压缸内的氮气开始增压且经单向阀、充气工具入蓄能器(或高压容器内)。并通过限位开关的作用,使活塞作上下反复运动,使氮气增压到所需的工作压力时,即自行停机。

The Nitrogen Charging Vehicle consists of hydraulic system, gas system and electric system. The pressure fluid flows into the pressure cylinder through solenoid directional valve to push the piston move upward(downward) to pressurize the N₂ in the pressure cylinder and then flow into the accumulator(or high-pressure Vessel) through holding valve and charging tool. N₂ is pressurized to the operating pressure by the reciprocating movement of piston under the effect of limit switch. After that turned off itself.

❖ 四、内部结构及外形尺寸/Structure and Dimension



❖ 五、结构原理图/Structure Drawing



❖ 六、技术参数/Technical Parameter

型 号 Model	输入压力 Input (MPa)	最高输入压力 Max Input (MPa)	油泵/Pump		充气装 置容积 Volume (L)	电 源 Power	A (mm)	B (mm)	C (mm)	重量 Weight (kg)
			压力(MPa) Pressure	流量/Flux (L)						
CDZs-25D1-1.6L	3~13.5	25	31.5	3.75	1.6	3相 380V 50Hz	890	520	950	240
CDZs-25D1-2.5L				7.5	2.5		1190	600	950	245
CDZs-25D1-4.0L				15	4		1200	640	1200	300
CDZs-35D1-1.6L		35	50	2.68	1.6		890	520	950	240
CDZs-35D1-2.5L				5.37	2.5		1190	500	950	245
CDZs-35D1-4.0L				10.74	4.0		1200	640	1200	300

❖ 七、订货说明/Booking Note

- 1、订货时须写明型号代号全称,如:工作压力为25MPa,充气装置容积为2.5L,电磁换向式的充氮小车:CDZs-25D1-2.5L。
- 2、若对充氮小车还有特殊要求时,请向本企业商洽。
- 3、本企业保留设计更改权,对修改不另行通知。

1. Full type code is needed when booking. For example: Nitrogen charging vehicle of operating pressure: 25MPa, air supply volume 2.5L, reversing type, electromagnetic directional type: CDZ-25D1-2.5L.
2. Contact us if special requirement is needed.
3. Design change is retained by our company and amendment is effected without further notice.

QF-CR系列蓄能器用气体安全阀 QF-CR Gas safety Valve for Accumulator

一、概述/General Description

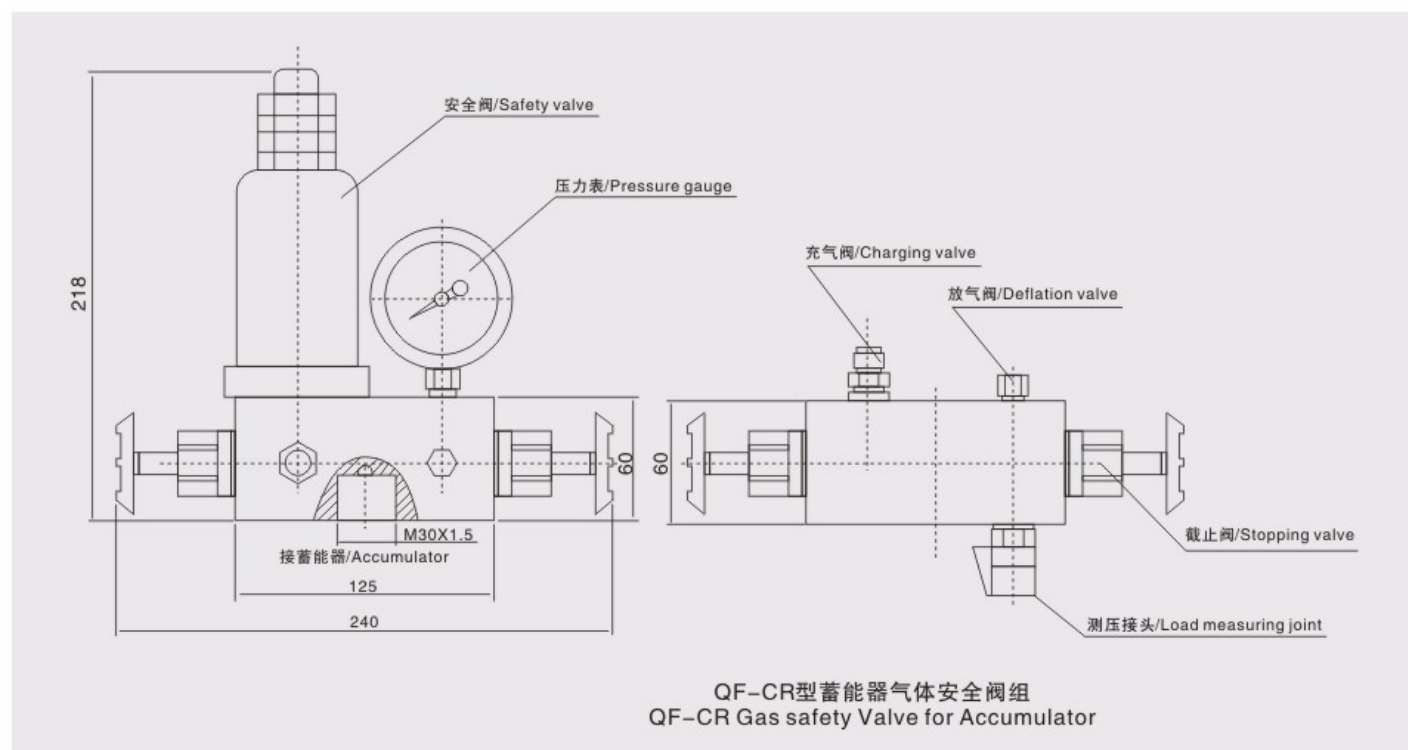
QF-CR系列蓄能器用气体安全阀是用来给蓄能器充气、放气、检测气体压力外，主要是采用防止蓄能器超压。

QF-CR gas safety valve charge, deflate, test gas pressure for accumulator and prevent accumulator from over-pressure as well.

二、型号说明/Ordering Code



三、内部结构及外形尺寸/Structure and Dimension



四、订货说明/Booking Note

1. 订货时需写明型号代号全称，如：设定工作压力为31.5Mpa，气体安全阀：QF-CR-31.5。
2. 若对气体安全阀有特殊要求时，请向本企业商洽。
3. 本企业保留设计更改权，对修改不另行通知。
1. Full type code is needed when booking. For example: Gas safety Valve of operating pressure 31.5MPa; QF-CR-31.5.
2. Contact us if special requirement is needed.
3. Design change is retained by our company and amendment is effected without further notice

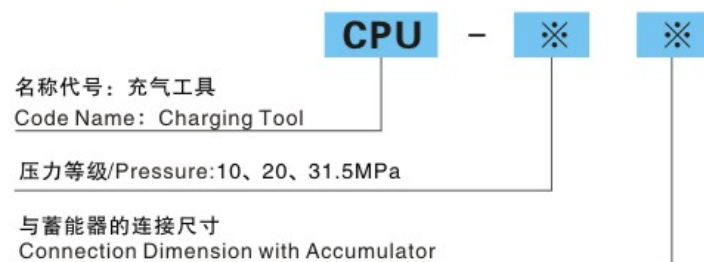
CPU箱式充气(氮)工具 /CPU Box Type N₂ Charging Tool

一、概述/General Description

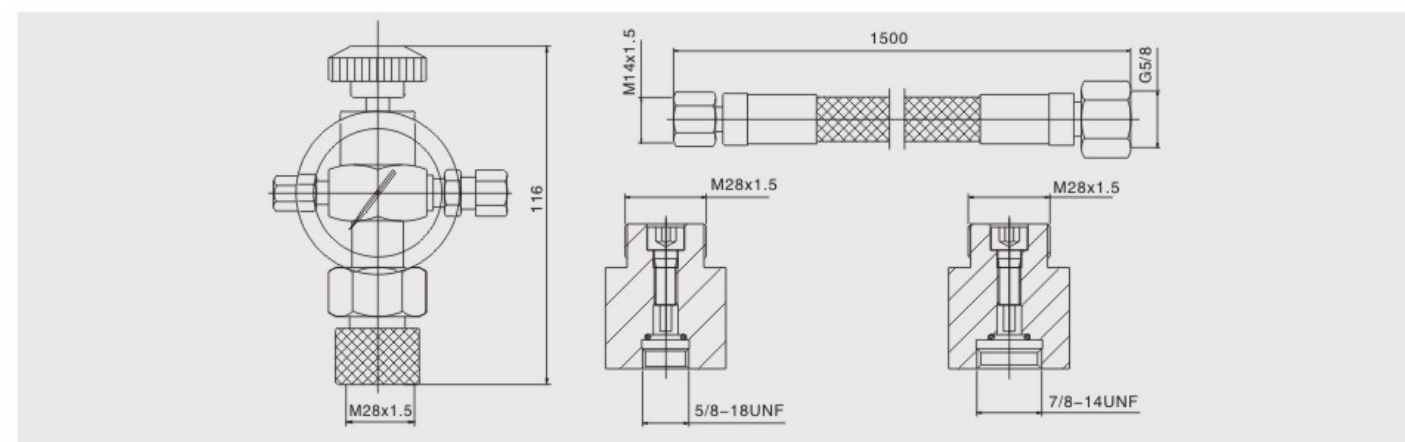
CPU型箱式充气工具由铝合金工具箱、带有压力表的多功能充气阀体、耐震不锈钢压力表、1.5米长的微型高压软管、维修蓄能器用的勾形扳手、给国内外蓄能器充气互换的接头等。

CPU Box Type Charging Tool consists of A-alloy toolbox, multifunctional charging valve with pressure gauge, anti-seismic stainless steel pressure gauge, high-pressure hose of 1.5m length, claw wrench for accumulator maintenance, exchange joint for foreign series etc.

二、型号说明/Ordering Code



三、内部结构及外形尺寸/Structure and Dimension



四、技术参数/Technical Parameter

型 号 Model	公称压力 Nov. pressure (Mpa)	耐震压力表 Anti-seismic pressure gauge		胶管规格 Hose specification (内径 × 长度) (Inner diameter x length)	与蓄能器连接尺寸/To accumulator (mm)	应用蓄能器 Applied accumulator
		刻度等级 Scale(Mpa)	精度等级 Precision(Mpa)			
CPU-16	10	0~16	2.5	Φ4x1.5m	M27x1.5	隔膜式蓄能器 Diaphragm accumulator
					M28x1.5	
CPU-25	20	0~25			M14x1.5	囊式、活塞式蓄能器 Bladder accumulator and piston accumulator
					5/16"-32UNEF	
CPU-40	31.5	0~40			5/8"-18UNF	
					7/8"-14UNF	

五、订货说明/Booking Note

1. 订货时需写明型号代号全称，如：工作压力为20Mpa<PN≤31.5Mpa的箱式充气工具:CPU-40接口螺纹7/8"-14UNF(标准胶管长度为1500mm)
1. Full type code is needed when booking. For example: Box type charging tool of operating pressure 20MPa≤PN≤31.5MPa: CPU-40
2. 如对充气工具还有特殊要求时，请向本企业商洽/Contact us if special requirement is needed
3. 本企业保留设计更改权，对修改不另行通知
- Design change is retained by our company and amendment is effected without further notice

CQJ型充气(氮)工具 / Charging Tool

一、概述/General Description

充气(氮)工具是蓄能器进行充气、补气、修正气压和检查充气压力等必不可少的专用工具。它具有结构紧凑、安全可靠、承高压、耐冲击、使用方便等特点。本公司充气(氮)工具分为CQJ和GCQJ两型。

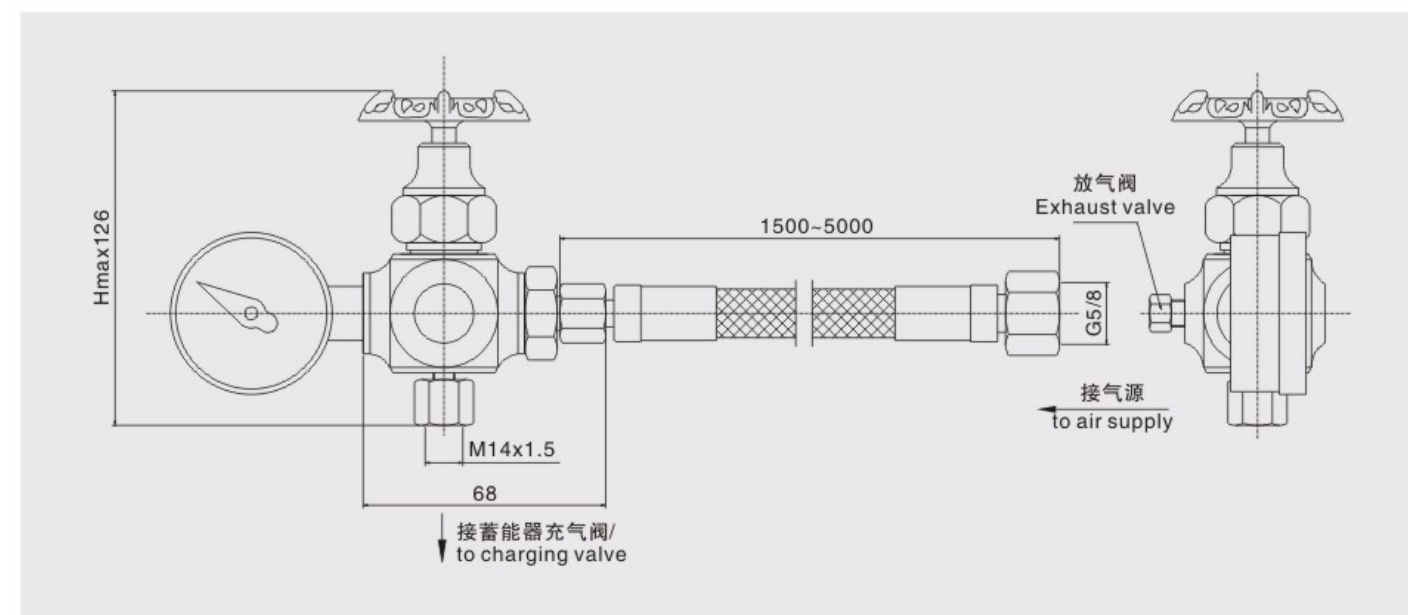
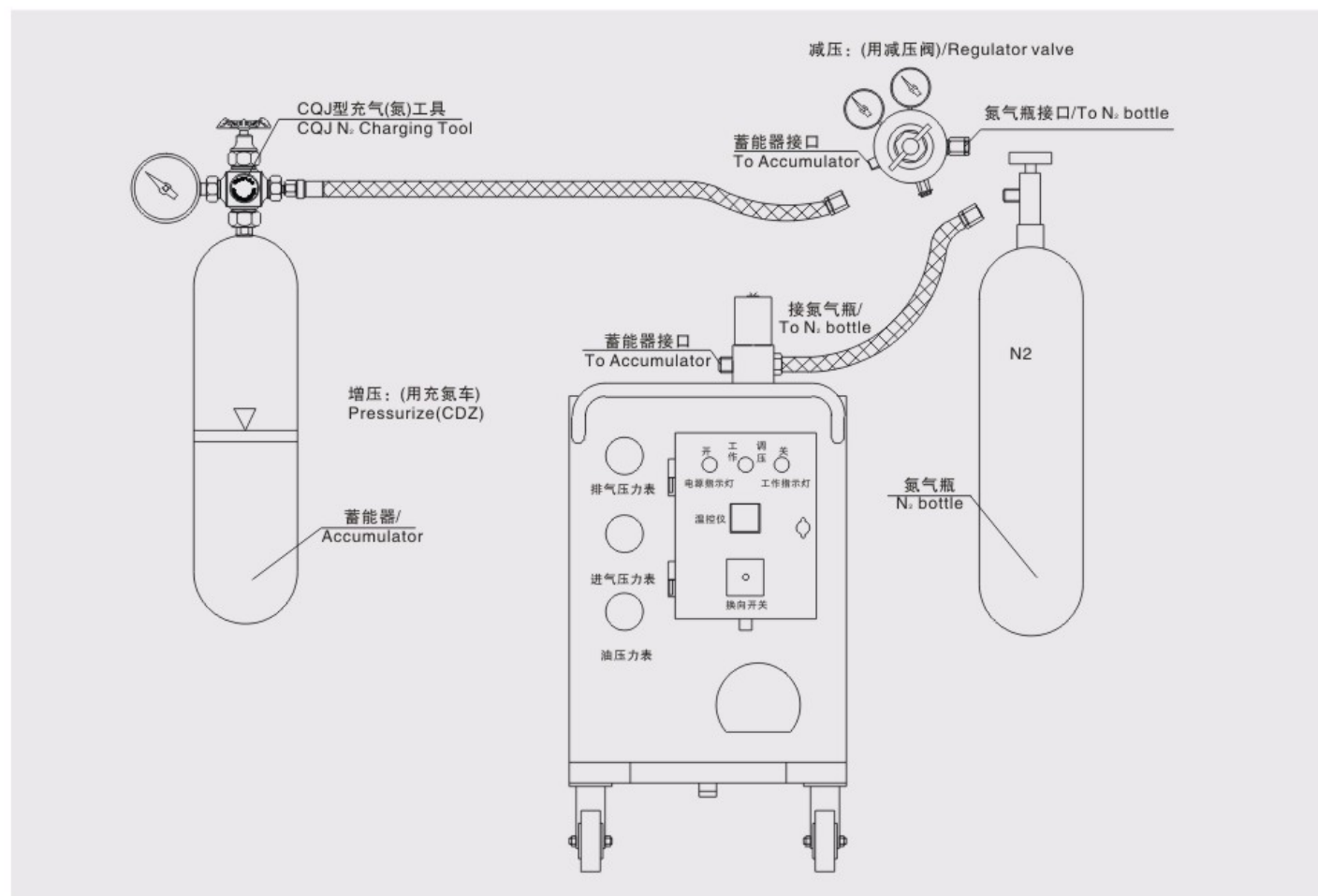
Charging Tool is an indispensable special tool to charge, supply, adjust pressure and test charging pressure. Its merits are made up of compact structure, high-reliability, high-pressure and impact resistance, convenience. To use we have two type charging tool CQJ and GCQJ.

二、型号说明/Ordering Code

CQJ	-	※	※
名称代号: 充气(氮)工具 Code Name: N ₂ Charging Tool			
压力等级/Pressure: 10、20、31.5MPa			
国内标准: (连接口标准为M14×1.5) 国外标准: 5/8-18UNF等 National Standard: (standard connector: M14×1.5) Foreign Standard: 5/8-18UNF			



三、内部结构及外形尺寸/Structure and Dimension



1. 充气(氮)工具用于对蓄能器进行充气、检测充气压力或改变蓄能器里已存在预充压力。
2. 如果被充的蓄能器最高氮气压力低于氮气瓶最高压力时, 可以通过充气工具向蓄能器进行充气。
3. 如果被充的蓄能器最高氮气压力高于氮气瓶最高压力时, 可以通过充氮车向蓄能器进行充气。
4. 注意: 充气完毕后, 应关闭氮气瓶和蓄能器的接口, 接着打开充气工具中的放气阀, 放尽高压胶管中的气体, 然后卸下充气工具。

1. Charging tools are designed to charge, test gas pressure or change the existed pre-charge pressure
2. When the max pressure of accumulator charged is less than max pressure of nitrogen cylinder, relief valve is used to charge accumulator.
3. When the max pressure of accumulator charged is more than max pressure of nitrogen cylinder, nitrogen charging vehicle is used to charge accumulator.
4. Note: After charging, the connector between nitrogen cylinder and accumulator should be closed, and then open the bleed valve of charging tool to exhaust completely the gas in hose, finally, unload the charging tool

四、技术参数/Technical Parameter

型 号 Model	公称压力 NOM.P (Mpa)	配用压力表/Pressure gauge		胶管规格/Hose specification		与蓄能器连接 尺寸(mm) Connection Dimension	适用蓄能器型号 For Accumulator	重量 Weight (kg)
		刻度等级 Scale(Mpa)	精度等级 Precision(Mpa)	内径(mm) x 钢丝层数 Inner D(mm)xNo. of layer	长度/Lenght (mm)			
CQJ-16	10	16	2.5	Φ8x1	1500	M14x1.5-6g	NXQ-※/10-L/F	1.7
CQJ-25	20	25			至		NXQ-※/20-L/F	
CQJ-40	31.5	40			5000		NXQ-※/31.5-L/F	

五、订货说明/Booking Note

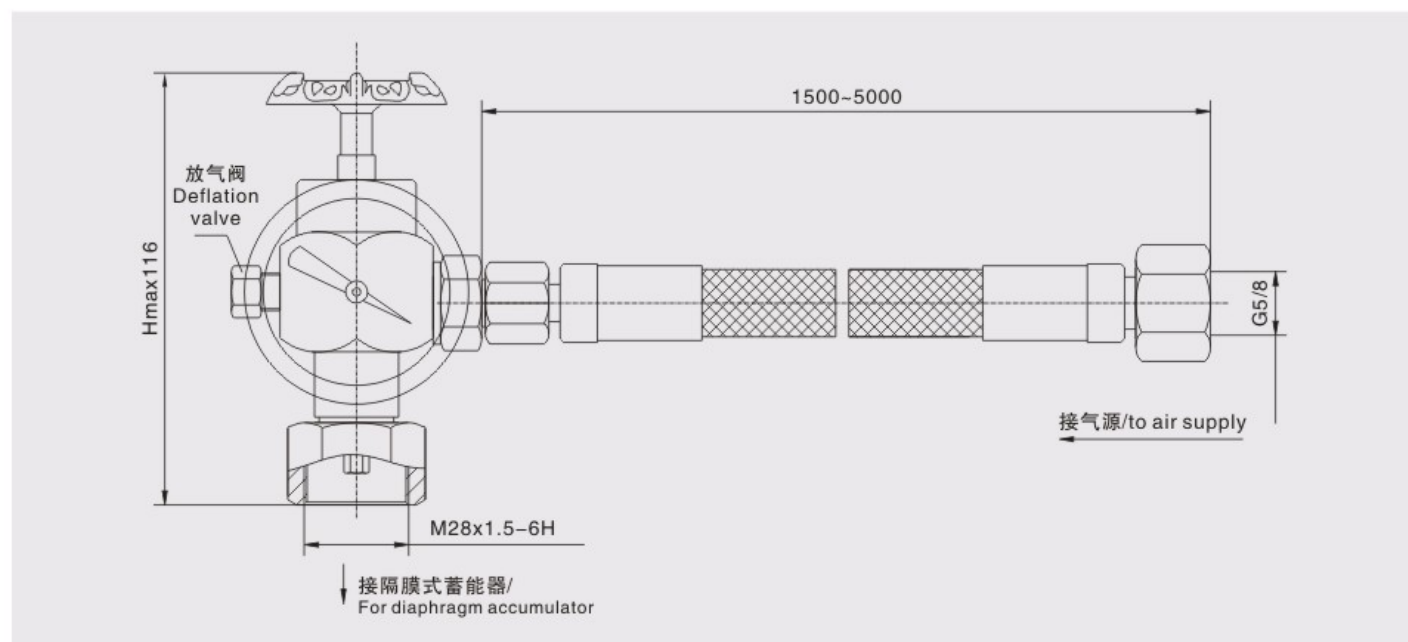
1. 订货时须写明型号代号全称, 如: 工作压力为10Mpa<PN<20 Mpa的充气工具: CQJ-25(标准胶管长度为1500mm)。
2. 如对充气工具还有特殊要求时, (如隔膜式蓄能器需要的充气工具、进口蓄能器需要的充气工具等), 请向本企业商洽。
3. 本企业保留设计更改权, 对修改不另行通知。

1. Full type code is needed when booking. For example: charging tool of operating pressure 10MPa<PN<20MPa: CQJ-25, 1.5m tube
2. Contact us if special requirement is needed.
3. Design change is retained by our company and amendment is effected with out further notice.

GCQJ型充气 (氮) 工具 /Charging Tool

❖ 一、型号说明/Ordering Code

GCQJ	-	※	※
名称代号:隔膜式充气(氮)工具 Code Name:N ₂ Charging Tool			
压力等级/Pressure: 10、20、31.5MPa			
国内标准:(连接口标准为M28×1.5) 国外标准: 5/8-18UNF等 Domestic Standard: (standard connector:M28x1.5) Foreign Standard:5/8-18UNF			



❖ 二、技术参数/Technical Parameter

型 号 Model	公称压力 NOM.P (Mpa)	配用压力表/Pressure gauge 刻度等级 Scale(Mpa)	精度等级 Precision(Mpa)	胶管规格/Hose specification 内径(mm) x 钢丝层数 Inner D(mm)xNo.of layer	长度/Length (mm)	与蓄能器连接 尺寸(mm) Connection Dimension	适用蓄能器型号 For Accumulator	重量 Weight (kg)
GCQJ-16	10	16	2.5	Φ8x1	1500	M28x1.5-6g	隔膜式蓄能器 Diaphragm accumulator	1.7
GCQJ-25	20	25			至			
GCQJ-40	31.5	40			5000			

❖ 三、订货说明/Booking Note

- 1.订货时须写明型号代号全称,如:工作压力为10Mpa<PN<20 Mpa的充气工具:GCQJ-25(标准胶管长度为1500mm)。
 - 2.如对充气工具还有特殊要求时,(如隔膜式蓄能器需要的充气工具、进口蓄能器需要的充气工具等),请向本企业商洽。
 - 3.本企业保留设计更改权,对修改不另行通知。
- 1.Full type code is needed when booking.For example:charging tool of operating pressure 10MPa<PN<20MPa:
GCQJ-25,1.5m tube
 - 2.Contact us if special requirement is needed.
 - 3.Design change is retained by our company and amendment is effected with out further notice.

蓄能器用QXF型充气阀 /Accumulator QXF Charging Valve

❖ 一、概述/General Description

QXF型充气阀是为蓄能器充氮气的专用单向阀,该充气阀借助充气工具向蓄能器充气。充气完毕,取下充气工具后即可自行关闭。

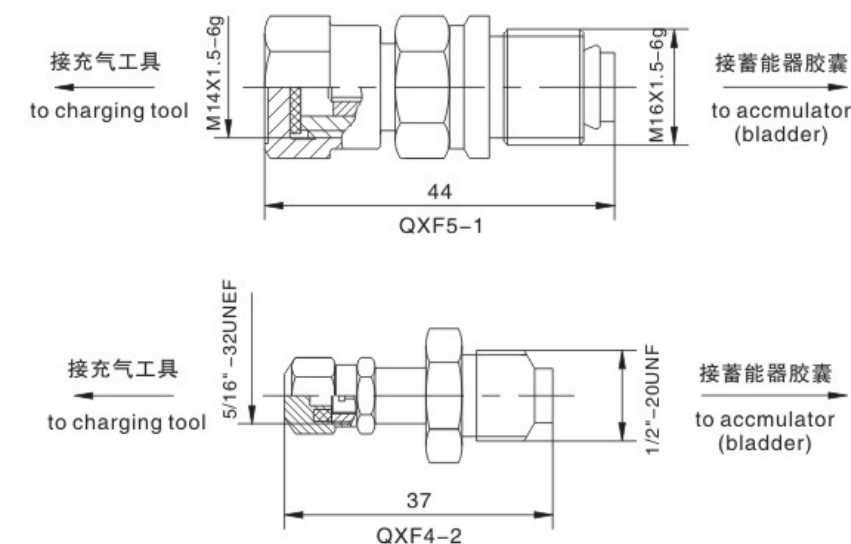
QXF charging valve is the special check valve to charge the nitrogen for accumulator by charging tools.It turned off after charging.

❖ 二、型号说明/Ordering Code

QXF	-	※	※
名称代号:充气阀 Code Name:Charging Valve			
公称通径/Nominal Diameter:4mm、5mm			
1: 国产专用 2: ASME专用 1: China market 2: ASME type			



❖ 三、外形尺寸/Dimension



❖ 四、技术参数/Technical Parameter

型 号 Model	充气压力范围 Charging Range (Mpa)	公称通径(mm) Nominal Diameter	螺纹连接/Thread Connection		配用蓄能器型号 Accumulator Model	重量 Weight (kg)
			进口(接充气工具) Input(to charging tool)	出口(接蓄能器) Output(to accumulator)		
QXF5-1	0.4~40	5	M14x1.5-6g	M16x1.5-6g	NXQ-0.4~250/※-L/F-※	0.07
QXF4-2	0.4~40	4	5/16"-32UNEF	1/2"-20UNF	BA(TA)-0.15~15/※-※-※	0.03

❖ 五、技术参数/Technical Parameter

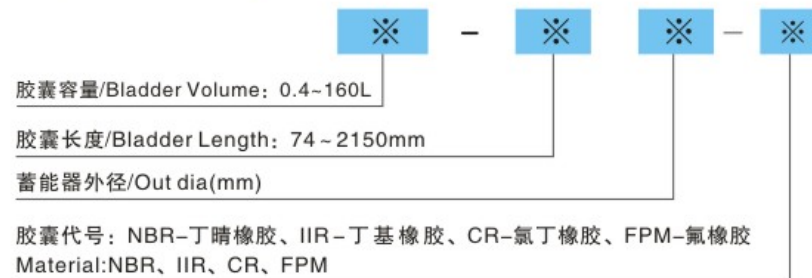
- 1.如对充气工具还有特殊要求时,请向本企业商洽。
 - 2.本企业保留设计更改权,对修改不另行通知。
- 1.Contact us if special requirement is needed.
 - 2.Design change is retained by our company and amendment is effected without further notice.

蓄能器用NXQ型胶囊 /Bladder for NXQ accumulator

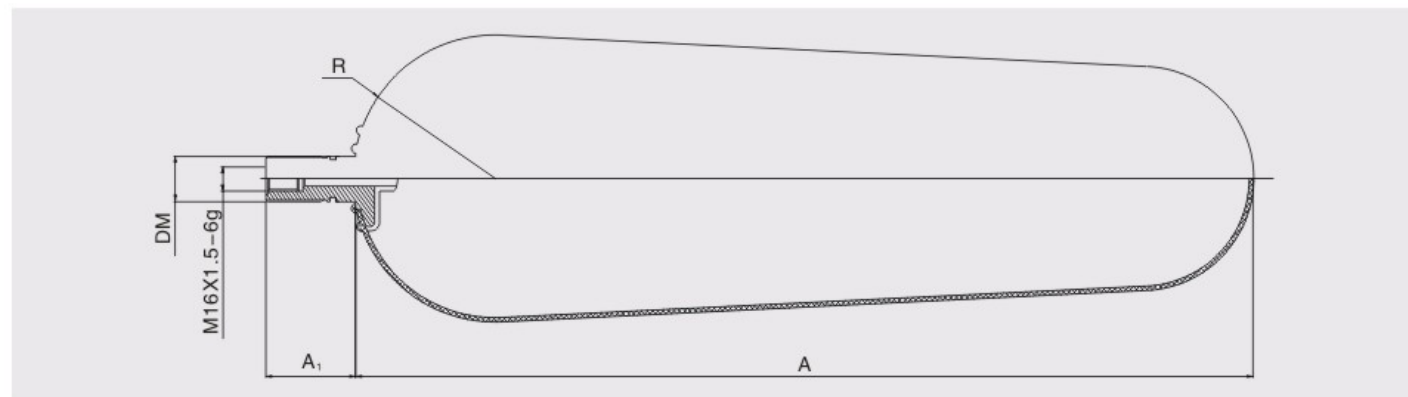
一、概述/General Description

本型号的胶囊有耐油、耐酸碱、耐掘挠、强度高、寿命长等特点，符合中国 HG/2331-92标准和ASME标准。
Bladder advantages of enduring oil, acid-and-alkali and Bend resistance, high strength and long useful time and meets the China standard of HG/2331-92 and ASME.

二、型号说明/Ordering Code



三、外形尺寸/Dimension



四、技术规格/Technical Parameter

蓄能器规格 Volume(L)		基本尺寸(mm) Dimension				蓄能器规格 Volume(L)		基本尺寸(mm) Dimension				蓄能器规格 Volume(L)		基本尺寸(mm) Dimension						
规格	容积	A	A1	R	DM	规格	容积	L	L1	R	DM			L	L1	R	DM			
89	0.4	74	44	38.5	M24x1.5	219	10	370	60	95	M30x1.5	299	20	370	70	131	M30x1.5			
	0.63	144					16	570					25	460						
114	1	146	49	M30x1.5	20		710	32					600							
	1.6	144			25		873	40					725							
152	2.5	206	53	66	32		1130	50					910							
	4	312			40		1385	63					1130							
	6.3	486			50		1720	80					1440							
								100					1830							
351	63	780	78	158	M30x1.5 M50x1.5	351	100	1270	78	158	M30x1.5 M50x1.5									
	86	1005					160	2060												
封头螺纹规格/O型圈规格						M24x1.5/Φ24x2.4				M30x1.5/Φ30x3.1				M50x1.5/Φ50x3.1						

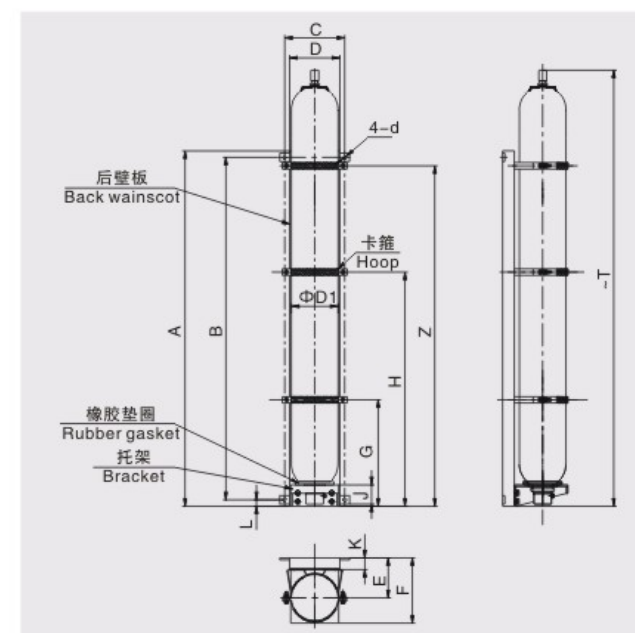
五、订货说明/Booking Note

- 1.订货时需写明型号代号全称，如：容量为40L，直径Φ219，长度为1405mm的(NXQ系列)蓄能器胶囊：40L×1405-219-※
- 2.如对本产品此型胶囊有特殊要求时，请同本企业商洽。
- 3.本企业保留设计更改权，对修改不另行通知。
- 1.Full type code is needed when booking For example:the nominal capacity of the accumulator is 40L;diameter: Φ 219; Length:1405mm:40L × 1405-219-NBR.
- 2.Contact us if special requirement is needed
- 3.Design change is retained by our company and amendment is effected without further notice

蓄能器用固定组件 /Accumulator fixing components

一、概述/General Description

整套蓄能器安装组件一般有后壁板、卡箍、托架、橡胶垫圈等组成，用固定蓄能器，防止产生危险的振动。
Full set of accumulator installation components consists of back wainscot,hoop,bracket, rubber gasket,etc,it is used to fix the accumulator and avoid the dangerous vibration.



二、型号说明/Ordering Code



三、内部结构及外形尺寸/Stucture and Dimension

型号/Model	~T	A	B	L	J	G	H	Z	C	D	ΦD1	Φd	K	E	F
NXQ-L0.63-89	320	200	170	15	45	-	160	-	130	106	89	9	30	92.5	142
NXQ-L1-114	315	190	160	15	50	-	160	-	155	131	114	9	30	105	168
NXQ-L1.6-152	355	210	170	30	100	-	175	-	203	169	152	13	30	126	208
NXQ-L2.5-152	420	280	240			-	220	-							
NXQ-L4-152	530	360	320			-	300	-							
NXQ-L6.3-152	700	500	460			-	440	-							
NXQ-L10-219	660	480	420	30	100	-	360	-	282	236	219	17	55	188	307
NXQ-L16-219	870	650	590			-	550	-							
NXQ-L25-219	1170	850	790			-	750	-							
NXQ-L40-219	1690	1350	1290			620	1250	-							
NXQ-L50-219	2050	1670	1610			500	1100	1600							
NXQ-L20-299	690	480	420	30	100	-	400	-	362	316	299	17	60	233	392
NXQ-L25-299	780	570	510			-	450	-							
NXQ-L40-299	1080	780	720			-	660	-							
NXQ-L50-299	1270	970	910			330	770	-							
NXQ-L63-299	1500	1200	1140			400	1000	-							
NXQ-L80-299	1810	1500	1440			500	1300	-							
NXQ-L100-299	2220	1800	1740			680	1600	-							

四、订货说明/Booking Note

- 1.订货时需写明型号代号全称，如：蓄能器容量为40L，直径Φ219卡箍2个蓄能器固定组件：NXQ-L40-219-B。
- 2.若对蓄能器固定组件还有特殊要求时，请向本企业商洽。
- 3.本企业保留设计更改权，对修改不另行通知。
- 1.Full type code is needed when booking For example:the accumulator capacity is 40L;diameter: Φ 219;two accumulator fixing components:NXQ-L40-219-B.
- 2.Contact us if special requirement is needed.
- 3.Design change is retained by our company and amendment is effected without further notice

NX型蓄能器固定卡箍 /Fixing clamp for accumulator

一、概述/General Description

蓄能器固定卡箍专用于固定蓄能器而设计的专业装置。具有结构紧凑，连接灵活，外形美观等特点。本公司产品分为NX和NXJ两种类型。
The special device designed to fix accumulator with the advantage of compact structure,flexible connection,nice appearance

二、型号说明/Ordering Code

NX-KG

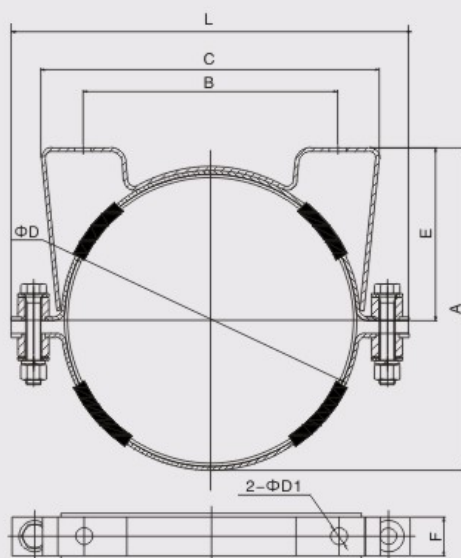
Φ※

名称代号: 蓄能器卡箍
Code Name:
Hoop for accumulator

蓄能器的外径:Φ89 ~ Φ426
Diameter: Φ89 ~ Φ426



三、结构及尺寸规格/Internal Structure Dimension



型号 Model	A	B	C	ΦD	ΦD1	E	F	L	配用蓄能器型号 Matching accumulator model	重量/Weight (Kg)
NX-KG/Φ89	112	76	110	Φ89	Φ9	62.5	20	150	NXQ-0.4L~0.63L	0.3
NX-KG/Φ114	137	100	138	Φ114	Φ9	75	20	176	NXQ-1L	0.4
NX-KG/Φ152	177	126	186	Φ152	Φ11	96	20	212	NXQ-1.6L~6.3L	0.5
NX-KG/Φ219	248	196	260	Φ219	Φ13	133	30	306	NXQ-10L~40L	1.1
NX-KG/Φ299	328	276	350	Φ299	Φ13	173	30	385	NXQ-20L~100L	1.5
NX-KG/Φ351	396	330	405	Φ351	Φ15	212	40	442	NXQ-63L~160L	
NX-KG/Φ426	456	403	478	Φ426	Φ15	237	40	518	NXQ-100L~250L	

四、订货说明/Booking Note

1. 订货时须写明型号代号全称，如：蓄能器公称容积25L，直径为Φ299卡箍：NX-KG/Φ299。(已包括橡胶垫)
2. 若对卡箍还有特殊要求时，请向本企业商洽。
3. 本企业保留设计更改权，对修改不另行通知。
- 1.Full type code is needed when booking For example:the nominal capacity of the accumulator is 40L;diameter: Φ299: NX-KG/ Φ299.(Rubber pad included).
- 2.Contact us if special requirement is needed.
- 3.Design change is retained by our company and amendment is effected without further notice

NXJ型蓄能器固定卡箍 /Fixing clamp for accumulator

一、型号说明/Ordering Code

NXJ

※

结构序列号:A1~A6
No.A1~A6

名称代号: 蓄能器紧卡箍
Code Name: Hoop for accumulator



二、结构及尺寸规格/Internal Structure Dimension

图1

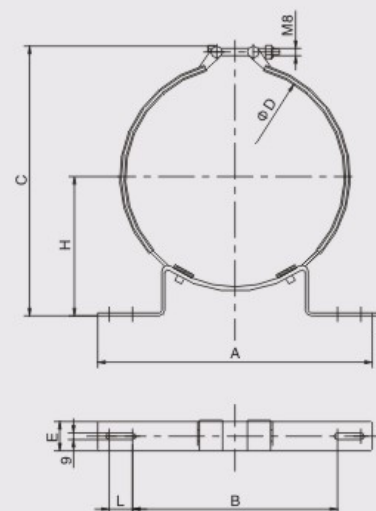
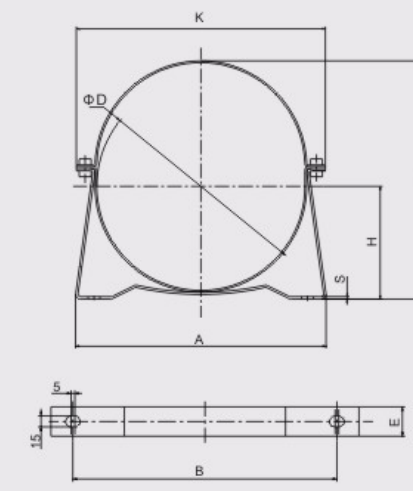


图2



型号/ Model	A	B	C	ΦD	H	E	L	S	K	配用蓄能器型号 Matching accumulator model	重量 Weight(Kg)	备注 Remarks
NXJ-A1	120	85	112	89-92	51-52.5	60	18	3	-	NXQ Δ-L0.4~L0.63	0.17	图1
NXJ-A2	156	100	143	106-114	62.5-66	60	18	3	-	NXQ Δ-L1	0.41	
NXJ-A3	156	100	191	152-159	87-91	60	18	3	-	NXQ Δ-L1.6~L6.3	0.46	
NXJ-A4	236	152	256	216-224	120-124	60	32	4	-	NXQ Δ-L10~L40	0.77	
NXJ-A5	332	280	322	299	190	40	5	4	395	NXQ Δ-L20~L100	2.05	图2
NXJ-A6	422	360	378	351	192	40	5	4	420	NXQ Δ-L63~L200	4.40	
NXJ-62-65	120	85	85	62-65	38-39.5	60	18	3	-	ADB-Δ-L0.075	0.16	图1
NXJ-73-76	120	85	96	73-76	43.5-45	60	18	3	-	ADB-Δ-L0.16	0.16	
NXJ-82-85	120	85	121	82-85	50-52.5	60	18	3	-	ADB-Δ-L0.25	0.17	
NXJ-92-95	120	85	115	92-95	52.4-54	60	18	3	-	ADB-Δ-L0.32	0.17	
NXJ-100-105	156	100	135	100-105	59-62	60	18	3	-	ADB-Δ-L0.5	0.54	
NXJ-106-114	156	100	143	106-114	62.5-66	60	18	3	-	ADB-Δ-L0.5	0.41	
NXJ-110-118	156	100	156	110-118	72.5-77	60	18	3	-	ADB-Δ-L0.6	0.42	
NXJ-121-129	156	100	165	121-129	75.5-80	60	18	3	-	ADB-Δ-L0.75	0.43	
NXJ-133-142	156	100	174	133-142	76.5-82.5	60	18	3	-	ADB-Δ-L1	0.44	
NXJ-143-151	156	100	182	143-151	83-86.5	60	18	3	-	ADB-Δ-L1.4	0.45	
NXJ-152-159	156	100	191	152-159	87-91	60	18	3	-	ADB-Δ-L1.4	0.46	
NXJ-167-175	236	152	207	167-175	92.5-96.5	60	32	4	-	ADB-Δ-L2/L2.8/L3.5	0.72	

注: 选用紧固箍时应以ΦD为基准。
Note:Please care ΦD size.

NX型蓄能器用固定托架 NX type accumulator mounting bracket

❖ 一、型号说明/Ordering Code

NX-TJ

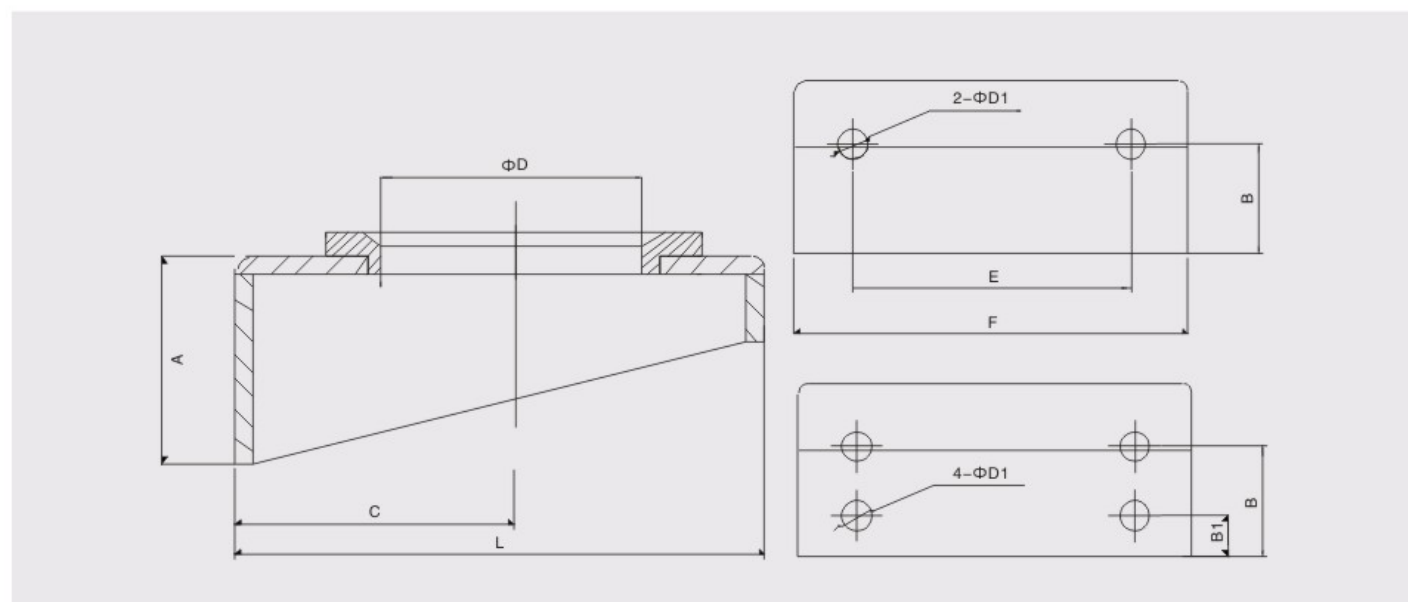
名称代号: 蓄能器托架
Code Name: Accumulator bracket

Φ※

蓄能器外径: Φ89~Φ426
Outer Diameter: Φ89~Φ426



❖ 二、结构及尺寸规格/Internal Structure Dimension



型号/ Model	A	B	C	ΦD	ΦD1	E	F	B1	L	配用蓄能器型号 Matching accumulator model	重量 Weight (Kg)
NX-TJ/Φ89	45	23	62.5	Φ60	2-Φ9	60	98	/	112	NXQ-0.4L~0.63L	0.8
NX-TJ/Φ114	50	28	75	Φ60	2-Φ9	70	126	/	138	NXQ-1L	1
NX-TJ/Φ152	65	35	96	Φ88	2-Φ13	113	162	/	178	NXQ-1.6L~6.3L	2
NX-TJ/Φ219	100	62	133	Φ125	4-Φ17	160	226	22	252	NXQ-10L~40L	7
NX-TJ/Φ299	100	62	173	Φ140	4-Φ17	200	306	22	332	NXQ-20L~100L	12
NX-TJ/Φ351	120	70	212	Φ150	4-Φ17	280	360	30	412	NXQ-63L~160L	20
NX-TJ/Φ426	120	70	237	Φ220	4-Φ17	300	435	30	462	NXQ-125L~250L	24

❖ 三、订货说明/Booking Note

1. 订货时须写明型号代号全称, 如: 蓄能器公称容积25L, 直径为Φ299固定托架: NX-TJ/Φ299。(已包括橡胶垫)
 2. 若对卡箍还有特殊要求时, 请向本企业商洽。
 3. 本企业保留设计更改权, 对修改不另行通知。
1. Full type code is needed when booking For example: the nominal capacity of the accumulator is 25L; diameter: Φ 299; NX-TJ/ Φ 299. (Rubber pad included).
 2. Contact us if special requirement is needed.
 3. Design change is retained by our company and amendment is effected without further notice

DQ型蓄能器橡胶垫 / DQ accumulator NBR washer

❖ 一、型号说明/Ordering Code

DQ

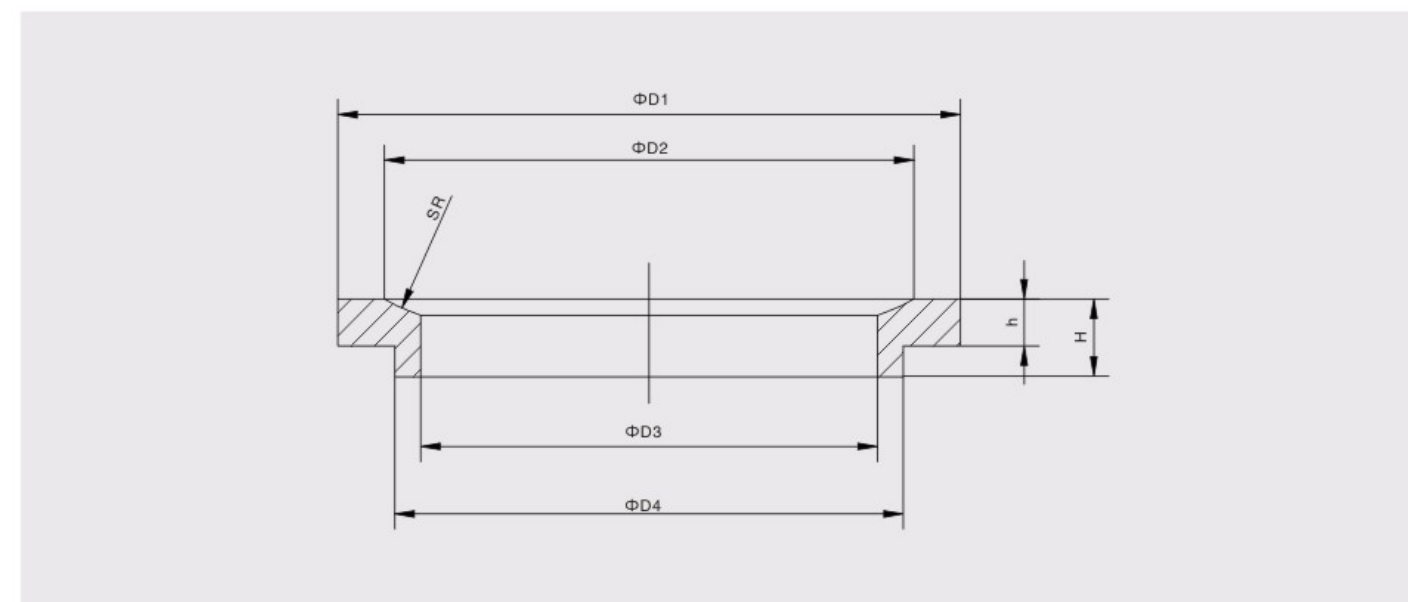
名称代号: 蓄能器托架
Code Name: Accumulator bracket

Φ※

蓄能器外径: Φ89~Φ426
Outer Diameter: Φ89~Φ426



❖ 二、结构及尺寸规格/Internal Structure Dimension



蓄能器垫圈型号/ Model	D1	D2	D3	D4	SR	H	h
DQ89	80	72	60	68	55	12	7
DQ114	80	72	60	68	55	12	7
DQ152	120	102	88	98	73	15	9
DQ219	180	146	125	138	106	23	15
DQ229	200	170	158	168	115	20	16
DQ299	200	168	140	158	145	23	15
DQ351	250	200	150	180	174	30	20
DQ426	300	249	220	240	213	32	20

NXJ型蓄能器用固定托架 NXJ type accumulator mounting bracket

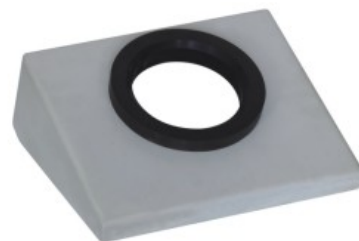
一、型号说明/Ordering Code

NXJ

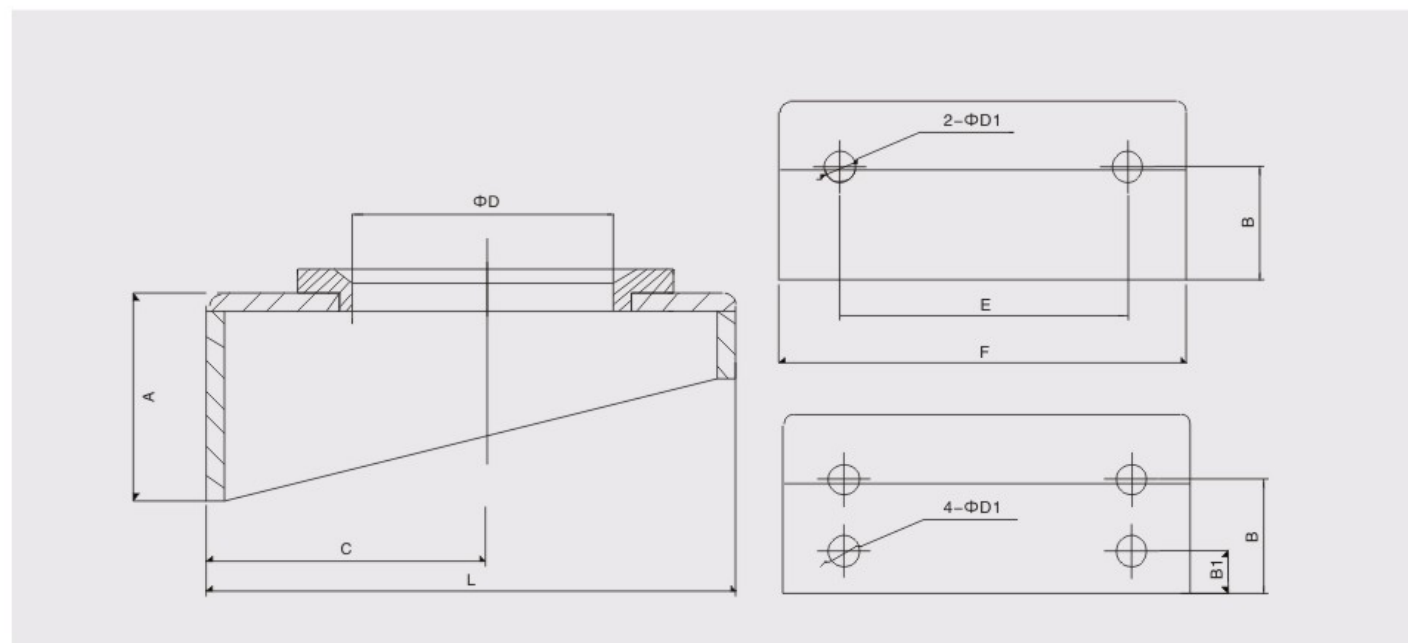
名称代号: 蓄能器托架
Code Name: Accumulator bracket

※

结构序列号: B1~B3
No. B1~B3



二、结构及尺寸规格/Internal Structure Dimension



型号/ Model	A	B	C	ΦD	ΦD1	E	F	B1	L	蓄能器外径 Accumulator out diameter	配用蓄能器型号 Matching accumulator model	重量 Weight (Kg)
NXJ-B1	100	65	92	104	14	180	260	25	225	152	NXQ-16L~6.3L	2.5
NXJ-B2	100	65	123	159	14	180	260	25	250	219	NXQ-10L~40L	2.8
NXJ-B3	240	180	190	200	22	260	380	60	380	299	NXQ-20L~150L	19.1

三、订货说明/Booking Note

1. 订货时须写明型号代号全称, 如: 蓄能器公称容积25L, 直径为Φ299固定托架: NXJ-B-3。(已包括橡胶垫)
2. 若对卡箍还有特殊要求时, 请向本企业商洽。
3. 本企业保留设计更改权, 对修改不另行通知。

1. Full type code is needed when booking For example: the nominal capacity of the accumulator is 40L; diameter: Φ 299; NXJ-B-3. (Rubber pad included).
2. Contact us if special requirement is needed.
3. Design change is retained by our company and amendment is effected without further notice

蓄能器用AQF型安全球阀 AQF Safety Ball Valve for Accumulator

一、概述/General Description

AQF型蓄能器安全球阀由截止阀、安全阀和卸荷阀等组成, 安装于蓄能器和液压系统之间, 用于控制蓄能器油液的通断、溢流、卸荷等工况。

AQF safety ball valve for accumulator, which consists of stopping valve, protection valve, unloading valve and so on. Sets between accumulator and hydraulic system to control the oil condition of open and break, overflow and unloading.

二、型号说明/Ordering Code

AQF

名称代号: 安全球阀
Code Name: safety ball valve

连接方式: (螺纹连接), L-直通式 LS-直角式 LW-三通式
Connection type L-through, LS-right angle LW-tri-channel

公称通径/Nominal Diameter: 25、32、40、50mm

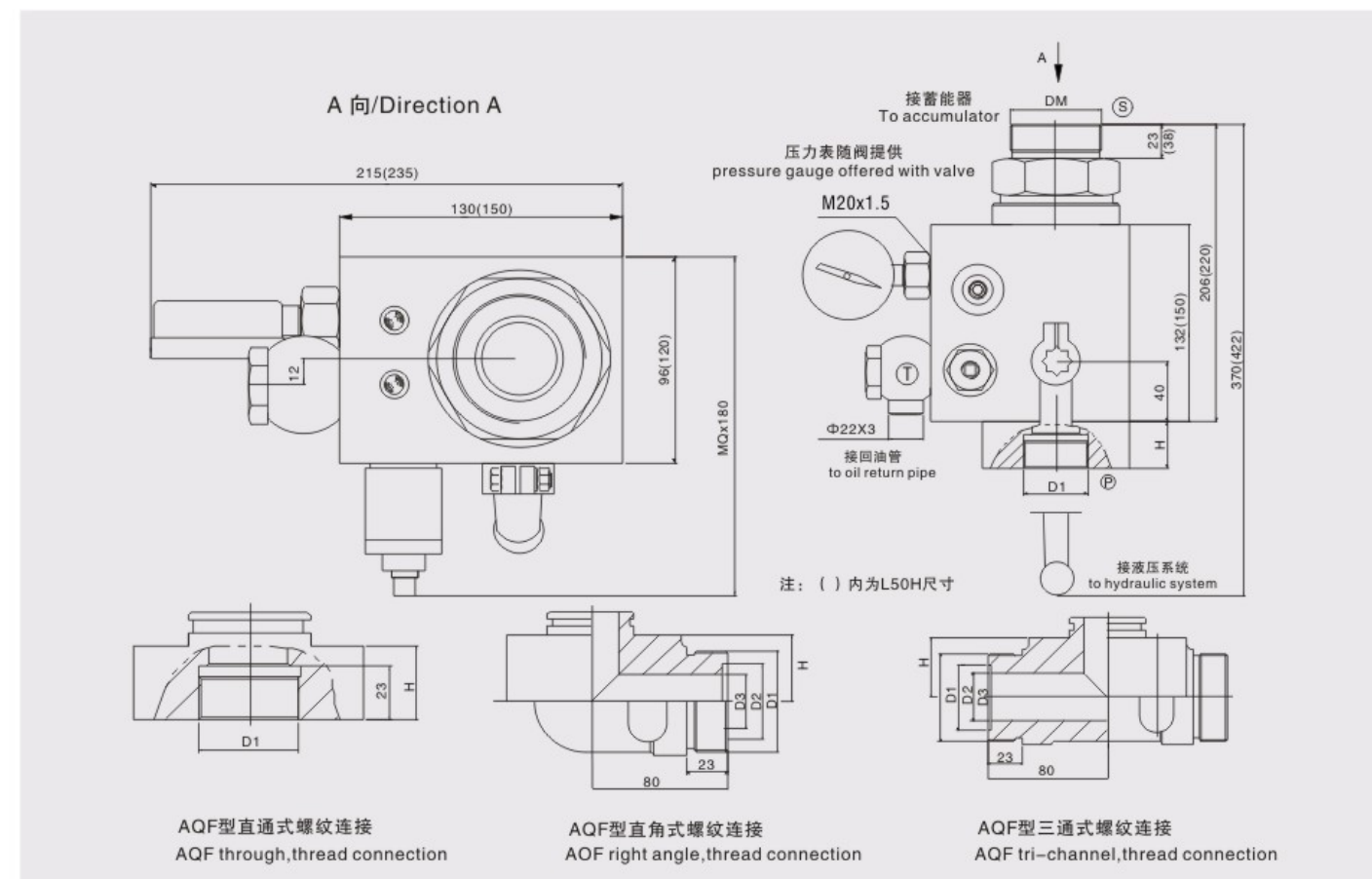
压力等级/Pressure: H1-10Mpa、H2-20Mpa、H3-31.5Mpa



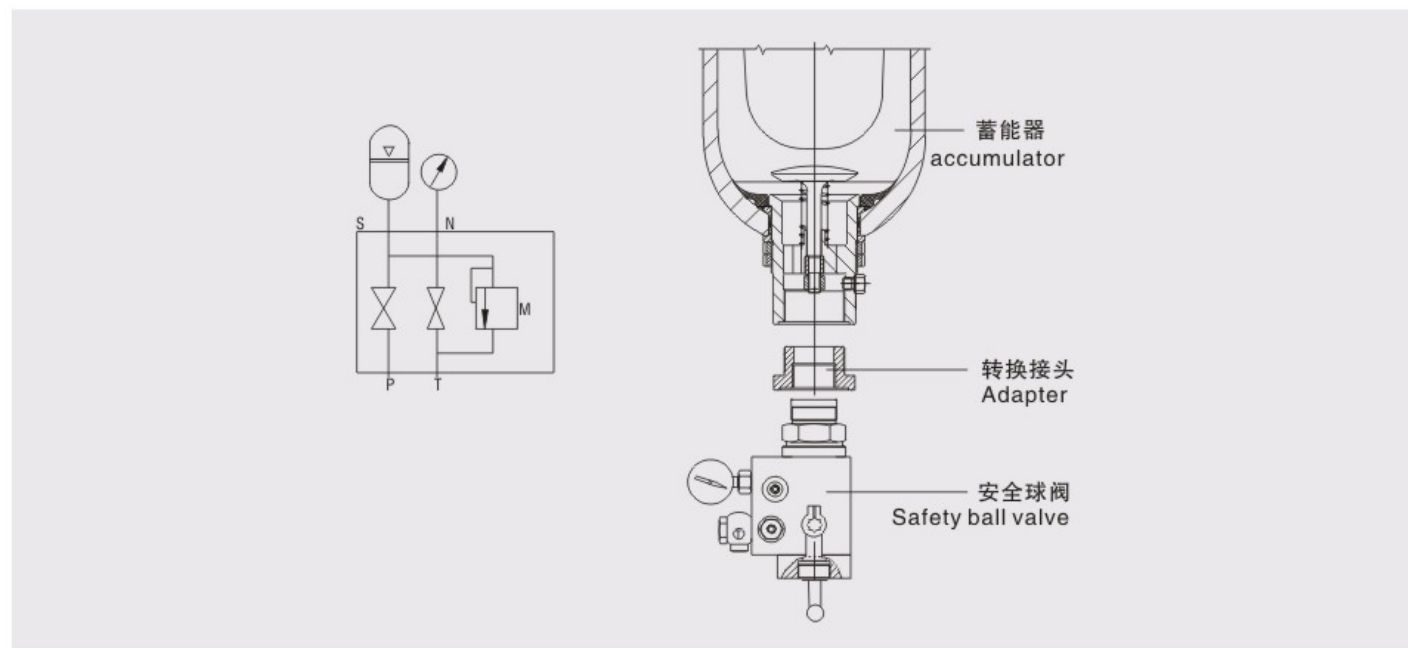
蓄能器接头螺纹/Connector:
M27 × 2、M42 × 2、M60 × 2、
M72 × 2

结构模式: A-直动式溢流阀
Structure: A-direct overflow valve

三、外形尺寸/Dimension



四、结构原理图/Structure Principle Chart



五、技术规格/Technical parameter

型 号 Model	公称压力 NOM.P (Mpa)	调压范围 Adjusting range(Mpa)	公称通径 NOM.D (mm)	公称流量 NOM Flux (L/min)	基本尺寸Dimension(mm)					适用蓄能器型号 For Accumulator	重量 Weight (kg)
					H	D3	D2	D1	DM		
AQF-L25H※-A	10	H1=3.5~14	25	100	31.5	24		M33x2	M27x2	NXQ-1.6~10※-L-A	17
AQF-LS25H※-A					30	22	35	M42x2	M42x2		
AQF-LW25H※-A					31.5	30		M42x2	M42x2		
AQF-L32H※-A					36	26	40	M52x2	M60x2		
AQF-LS32H※-A	20	H2=7~21	32	160	31.5	36		M48x2	M60x2	NXQ-10~100※-L-A	17.5
AQF-LW32H※-A					40	32	45	M60x2	M72x2		
AQF-L40H※-A					40	32	45	M60x2	M72x2		
AQF-LS40H※-A					36	48		M72x2	M72x2		
AQF-LW40H※-A	31.5	H3=14~31.5	40	250	40	32	45	M60x2	M72x2	NXQ-10~100※-L-A	18.5
AQF-L50H※-A					36	48		M72x2	M72x2		
AQF-L50H※-A			50	500	36	48		M72x2	M72x2		20

六、订货说明/Booking Note

- 1.订货时须写明型号代号全称，如：工作压力为31.5Mpa，通径为20mm，连接方式三通式，蓄能器接头螺纹为M42×2，安全球阀：AQF-LW20H3-A/M42×2
- 2.如对安全阀组还有特殊要求时，请向本企业商洽。
- 3.本企业保留设计更改权，对修改不另行通知。
- 1.Full type code is needed when booking. For example: pressure:31.5MPa; inside diameter:20mm; three way; screw thread: M42×2; AQF-LW20H3-A/M42×2.
- 2.Contact us if special requirement is needed
- 3.Design change is retained by our company and amendment is effected without further notice

蓄能器用QFZ型安全阀组 QFZ Safety Valve Group for accumulator

一、概述/General Description

QFZ型蓄能器安全组由高压球芯截止阀，直动式溢流阀和一个小型截止阀组成，具有启闭、安全、卸荷阀等作用。

QFZ safety Valve Group for Accumulator, which consists of stopping valve with high pressure ball core, direct overflow valve and amini stopping valve. plays the role of open and close, safety, unloading valve, etc

二、型号说明/Ordering Code

QFZ - H※ - ※ - ※

名称代号:安全阀组
Code Name:safety ball Valve Group

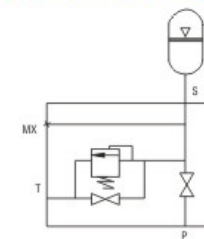
压力等级:Hb-10MPa、Hc-20MPa、Hd-31.5MPa
Pressure: Hb-10MPa、Hc-20MPa、Hd-31.5MPa

公称通径/Nominal Diameter: 15、25、40、50mm

连接方式:F-法兰连接, L-螺纹连接

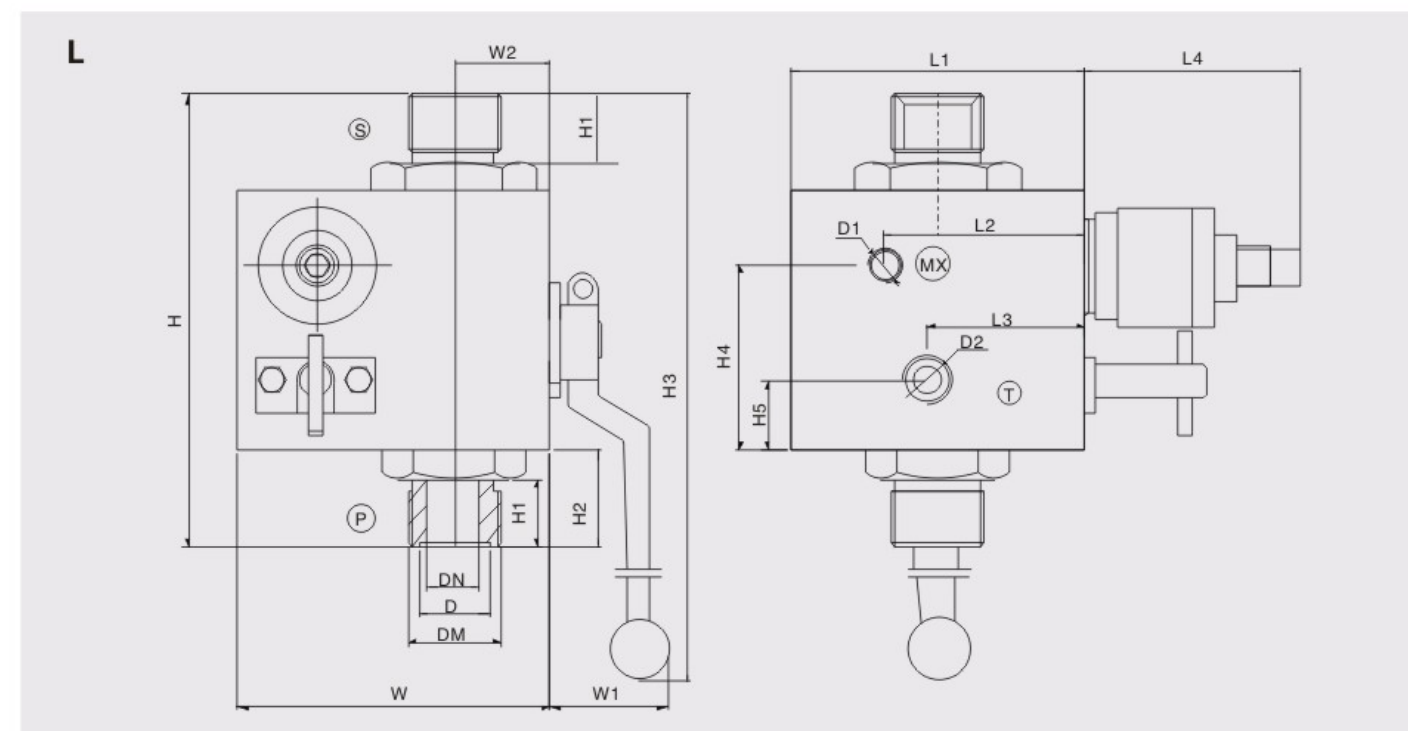
Attended Mode: F-flange connection; L-thread connection.

三、结构原理图 Structure Principle Chart

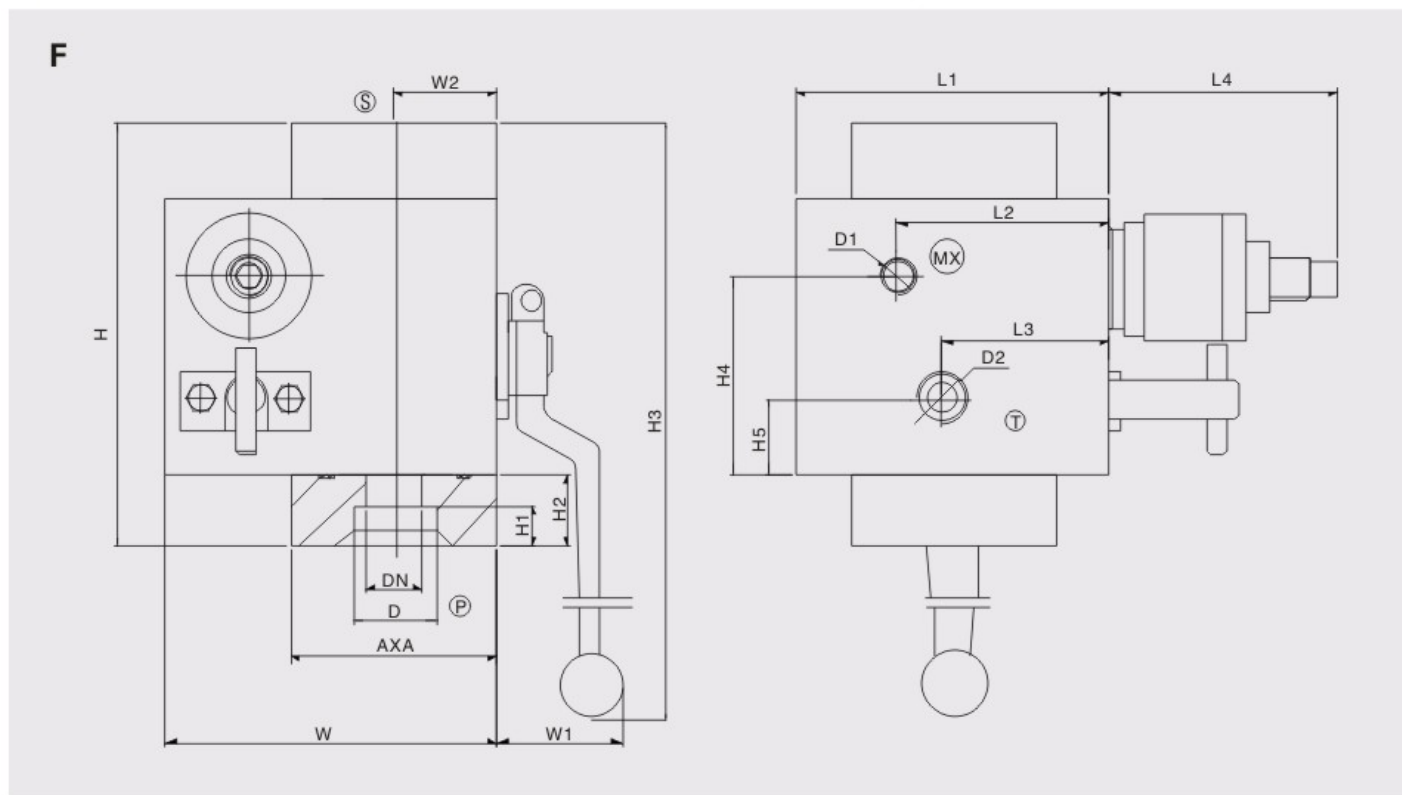


三、外形尺寸/Dimension

QFZ安全阀组 (螺纹式) QFZ-Hb-Hd15~50L/QFZ Safety Valve Group(thread connection)



QFZ安全阀组（法兰式）QFZ-Hb-Hd15-50F/QFZ safety Valve Group(Flange connection)



1.技术规格（螺纹式）/Technical Parameter(thread cnnction)

型 号 Model	DN (mm)	PN (Mpa)	基本尺寸/Dimension (mm)																重量(Kg) Weight	
			L1	L2	L3	L4	H	H1	H2	H3	H4	H5	W	W1	W2	D	D1	D2		DM(S)
QFZ-H※15L	15	10	85	58	46	68	131	20	28	201	53	20	90	33	28	20	M10X1	M18X1.5	M27X2	5
QFZ-H※25L	25	20	90	58	46	68	167	23	31	262	76	23	110	44	37	35			M42X2	9
QFZ-H※40L	40	31.5	100	65	46	68	200	30	40	318	90	35	140	45	48	52			M60X2	19
QFZ-H※50L	50	31.5	120	70	46	68	240	30	40	377	115	56	160	50	60	63			M72X2	27

2.技术规格（法兰式）Technical Parameter(Flange connection)

型 号 Model	DN (mm)	PN (Mpa)	基本尺寸/Dimension (mm)																	重量(Kg) Weight
			L1	L2	L3	L4	H	H1	H2	H3	H4	H5	W	W1	W2	D	D1	D2	AxA(S)	
QFZ-H※15F	15	10	85	58	46	68	115	11	20	193	53	20	90	33	28	22.5	M10X1	M18X1.5	56	5
QFZ-H※25F	25	20	90	58	46	68	155	14	25	256	76	23	110	44	37	35			74	9
QFZ-H※40F	40	31.5	100	65	46	68	180	18	30	30	90	35	140	45	48	52			96	19
QFZ-H※50F	50	31.5	120	70	46	68	230	20	35	372	115	56	160	50	60	65			110	27

❖ 四、订货说明/Booking Note

- 1.订货时须写明型号代号全称，如：工作压力为31.5Mpa，通径为40mm，连接方式为法兰式的安全阀组：QFZ-Hd40F
- 2.如对安全阀组还有特殊要求时，请向本企业商洽。
- 3.本企业保留设计更改权，对修改不另行通知。
- 1.Full type code is needed when booking. For example: pressure:31.5MPa; inside diameter:40mm; flange connection: QFZ-Hd40F.
- 2.Contact us if special requirement is needed.
- 3.Design change is retained by our company and amendment is effected without further notice.

蓄能器用AJ型控制阀组 AJ Application Valve Group for Accumulator

❖ 一、概述/General Description

AJ型蓄能器控制阀组由截止阀、安全阀和卸荷阀等组成，安装于蓄能器和液压系统之间，用于控制蓄能器油液的通断，溢流，卸荷等工况。卸荷有手动卸荷或电磁卸荷。

AJ Application Valve Group for Accumulator, which consists of stopping valve, protection valve, unloading valve, etc, is set between accumulator and hydraulic system to control the oil condition of make-and-break, overflow and unloading (which consists of manual and electromagnetic).

❖ 二、型号说明/Ordering Code

名称代号:蓄能器控制阀组
Code Name: Application Valve Group for Accumulator

C-定制 无-标准型
C - Custom No - Standard

卸荷形式: S-手动卸荷(标准型)、D-带电磁卸荷
Unloading Type: S-Manual(standard), D-electromagnetic

公称通径/Nominal Diameter: 10、20、32mm

安全阀压力等级/Pressure of Protection Valve:
a-6.3MPa、b-16MPa、c-25MPa、H-31.5MPa

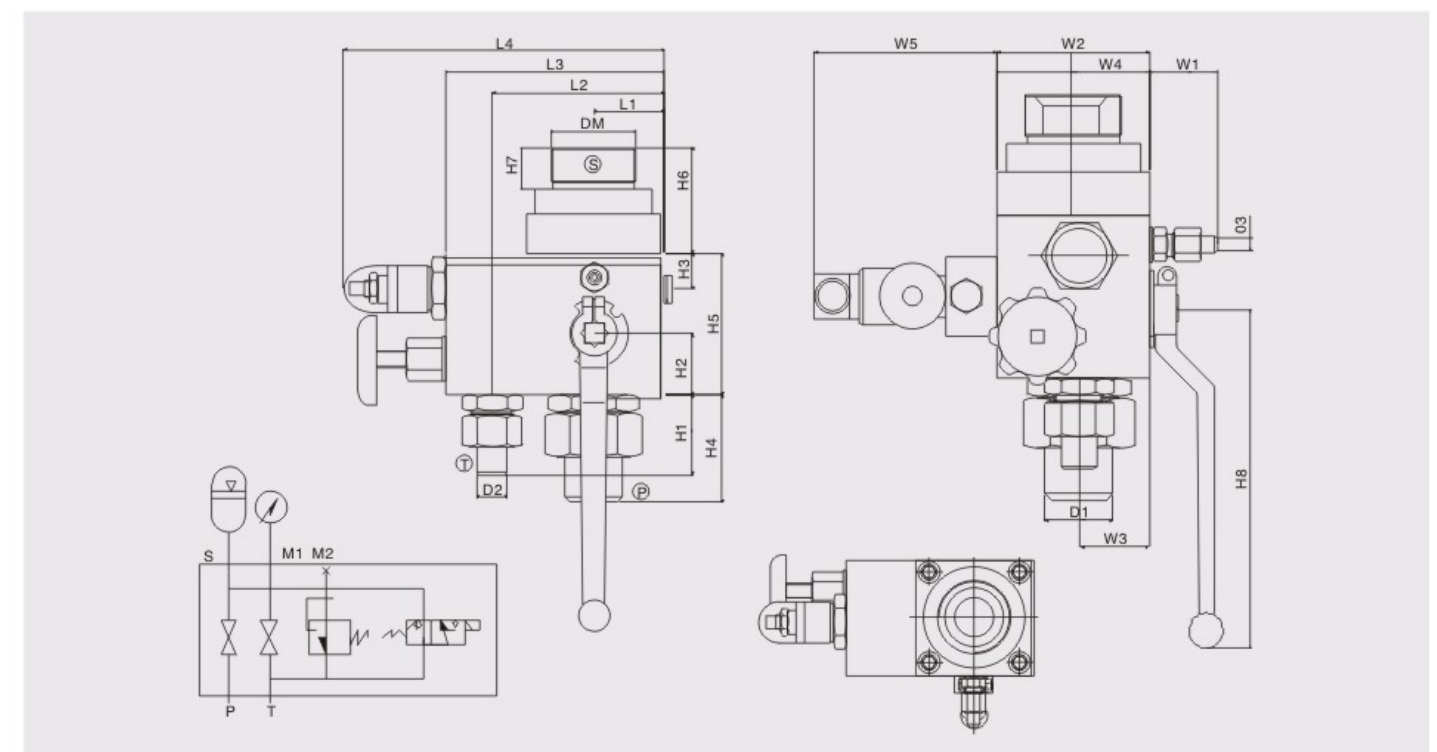
结构模式: Z-直动式溢流阀/Structure(mode): Z-direct over flow valve

蓄能器接头螺纹:
Thread of Accumulator Connector:
M27x2、M42x2、M60x2、M72x2

电荷卸荷形式: 电压
6k、6B
D24V、C220V

AJ - ※ - ※ - ※ - ※ - ※ - ※ - ※ - ※

❖ 三、外型尺寸和结构原理图/Dimension and Structure Principle



❖ 四、技术规格/Technical parameter

型 号 Model	DN (mm)	PN (Mpa)	基本尺寸/Dimension (mm)													
			L1	L2	L3	L4	W1	W2	W3	W4	H1	H2	H3	H4	M1	M2
AJS-10※Z※	10	10	25	68	90	155	42	50	22.5	25	40	24		55	M14x1.5	
AJS-20※Z※	20	20	47.5	114	135	209	42	90	40	47.5	53	38	20	60		
AJS-32※Z※	32	31.5	47.5	114	135	209	42	95	42	47.5	53	38	20	78		

型 号 Model	基本尺寸/Dimension (mm)								重量 Weight (Kg)
	H5	H6	H7	H8	D1	D2	D3	DM	
AJS-10※Z※	85	31/35	16/23	130	22	17	10	M27X2/M42X2	4
AJS-20※Z※	100	63/75	23/30	200	28	22	10	M42X2/M60X2	13
AJS-32※Z※	100	75/80	30/35	200	42	22	10	M60X2/M72X2	15

型 号 Model	DN (mm)	PN (Mpa)	基本尺寸/Dimension (mm)													
			L1	L2	L3	L4	W1	W2	W3	W4	W5	H1	H2	H3	M1	M2
AJD-10※Z※	10	10	25	68	90	155	42	50	22.5	25	113	40	24		M14x1.5	
AJD-20※Z※	20	20	47.5	114	135	209	42	90	42	47.5	113	53	38	20		
AJD-32※Z※	32	31.5	47.5	114	135	209	42	95	42	47.5	113	53	38	20		

型 号 Model	基本尺寸/Dimension (mm)									重量 Weight (Kg)
	H 4	H 5	H6	H7	H8	D1	D2	D3	DM	
AJD-10※Z※	55	85	31/35	16/23	130	22	17	10	M27X2/M42X2	4
AJD-20※Z※	60	100	63/75	23/30	200	28	22	10	M42X2/M60X2	13
AJD-32※Z※	78	100	75/80	30/35	200	42	22	10	M60X2/M72X2	15

❖ 五、订货说明/Booking Note

- 1.订货时须写明型号代号全称，如：工作压力为31.5Mpa，通径为20mm，标准型，蓄能器接口螺纹M42×2的蓄能器控制阀组：
AJS-20HZ/M42×2
- 2.如对蓄能器控制阀组还有特殊要求时，请向本企业商洽。
- 3.本企业保留设计更改权，对修改不另行通知。
- 1.Full type code is needed when booking.For example:pressure:31.5MPa,inside diameter:20mm;standard screwthread of accumulator connection M42x2, AJS-20HZ/M42x2.
- 2.Contact us if special requirement is needed.
- 3.Design change is retained by our company and amendment is effected without further notice.

SAF型蓄能器安全截止阀块(国际标准) SAF type Energy Storage Safety Stop Valve Block(International Standard)



❖ 一、概述/General Description

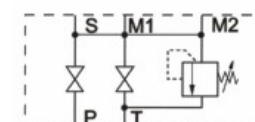
SAF型蓄能器安全截止阀块专业用于国外蓄能器设计的专用阀块，控制蓄能器的油液通断、超压保护以及卸压保护以及卸压放油。主要由一个主截止阀、一个内置溢流阀和一个手动卸荷阀组成。本阀还可选一个插装式二通电磁换向阀，用来自动卸荷。

SAF type energy storage safety valve block, a specialized valve block applicable for domestic energy storage is used to control the fluid switching, over pressure protection, pressure releasing protection, and unloading and draining fluid. It is composed of stop valve, internal overflow valve and manual unloading valve. A plugin two-way electromagnetic selector valve is optional for unloading.

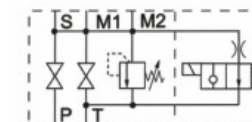
SAF type safety stop valve has the advantages of reliable performance, compact structure, and convenient operations.

❖ 二、液压原理符号/Hydraulic Principle Codes

带手动卸荷(SAF※M)
With manual unloading
(SAF※M)



带电磁卸荷(SAF※E)
With electromagnetic unloading
(SAF※E)



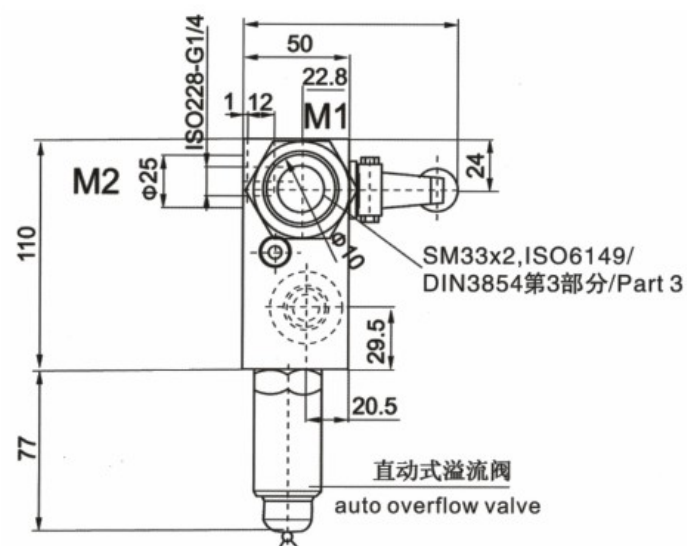
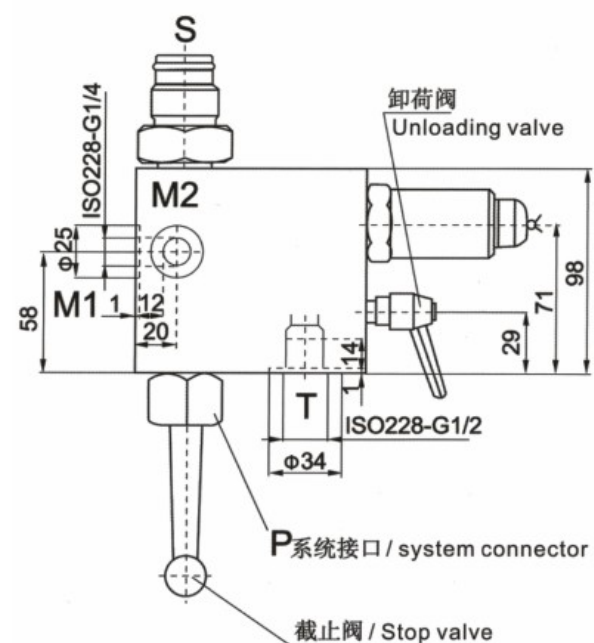
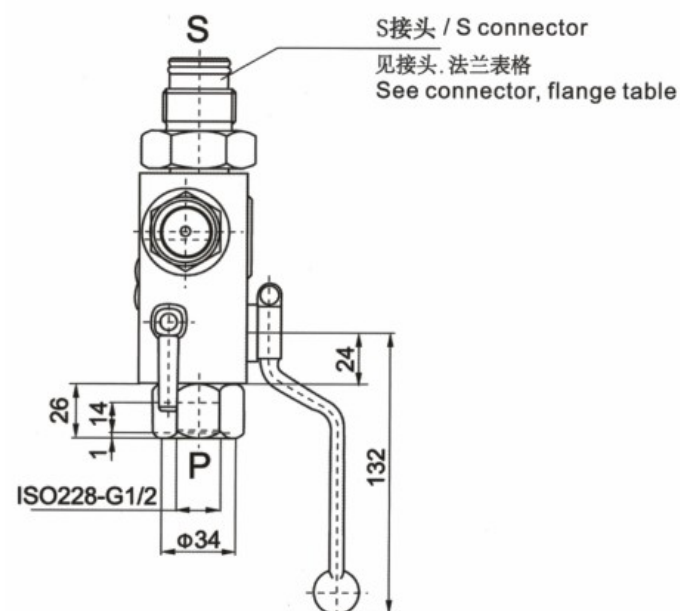
❖ 三、型号说明/Ordering Code

SAF	20	M	1	2	Y	1	N	210	A	-	S13
1	2	3	4	5	6	7	8	9	10		11

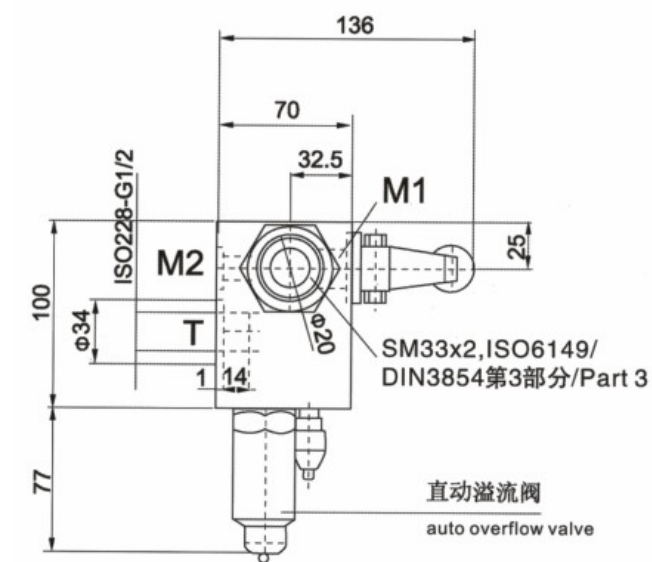
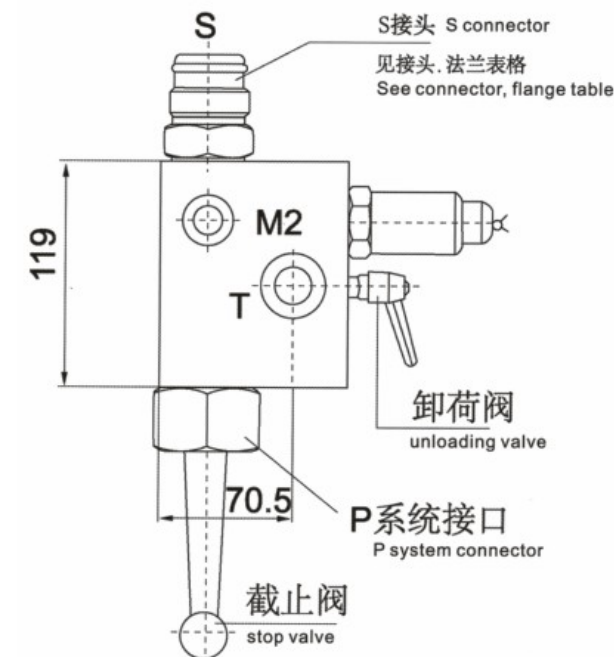
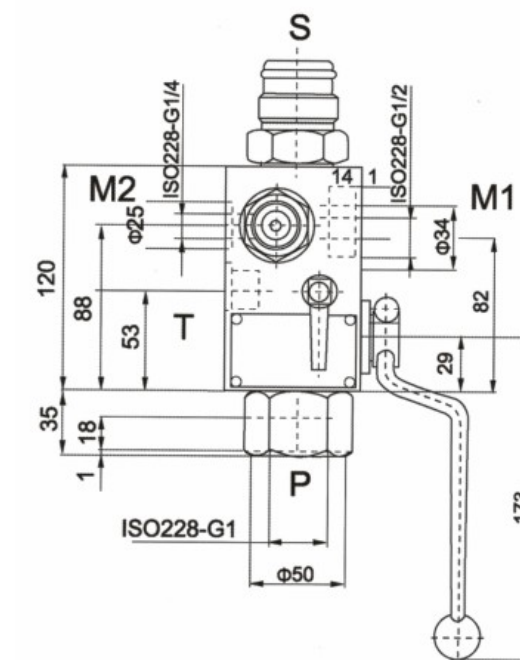
1. 产品代号: SAF系列安全截止阀块 / Product code: SAF series safety stop valve block
2. 主截止阀规格: 公称通径10、20、32 / Main stop valve specifications: nominal diameter10、20、32
3. 卸荷: M手动卸荷 / Unloading M Manualunload
E电磁阀动作和手动卸荷 / EElectricaland manualunload
4. 阀块材料 / Block material: 1--碳钢 / Carbon steel 2--不锈钢304 / Stainless steel 304 3--不锈钢316 / Stainless steel 316
5. 密封材料 / Sealing material: 2--NBR丁晴橡胶 / Rubber 5--EPDM 6--FPM氟橡胶
6. 对电磁阀动作和手动卸荷 / Electromagnetic and manual unload: Y卸荷开启 / Start unloading
Z卸荷关闭 / Unloading closed
7. 电压类型 / Voltage type: 1--24VDC 2--110--115VAC 3--220--230VAC 7--其他/Other
8. 溢流阀/Overflow valve: N--通过手轮可调 /Adjustable through the spanner
9. 压力设定值/Pressure set value: 例如: 210bar to 315bar/e.g 210bar to 315bar
10. 螺纹连接标准/Thread connecting standard
A--ISO228(BSP)
B--DIN13, 符合 /conforming toISO965/1(公制/nominal)
C--ANSI B1.1(UNF,O形圈密封, 符合 ring sealing, conforming to SAE)
不带M2测压接口 / Without pressure testing podt
11. 接头:接蓄能器(见五接头, 法兰表格), 例如S13-ISO228-G2A
Connector: To energy storage (See V. Connector Flange table), For example S13-ISO228-G2A

❖ 四、阀块外形尺寸/Valve Block Dimensions

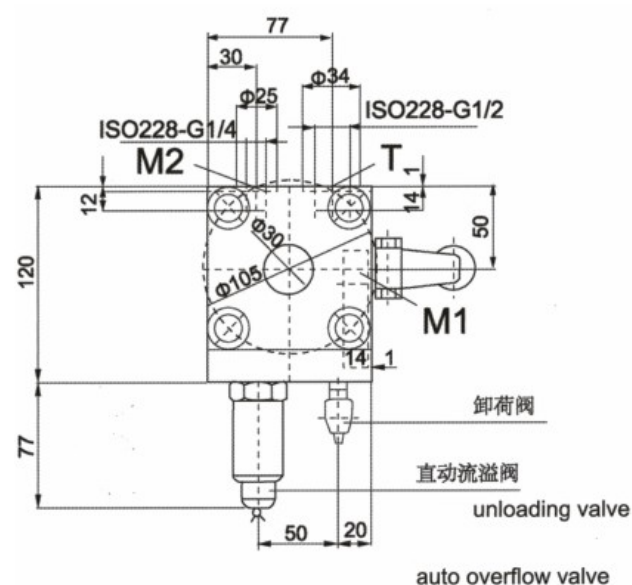
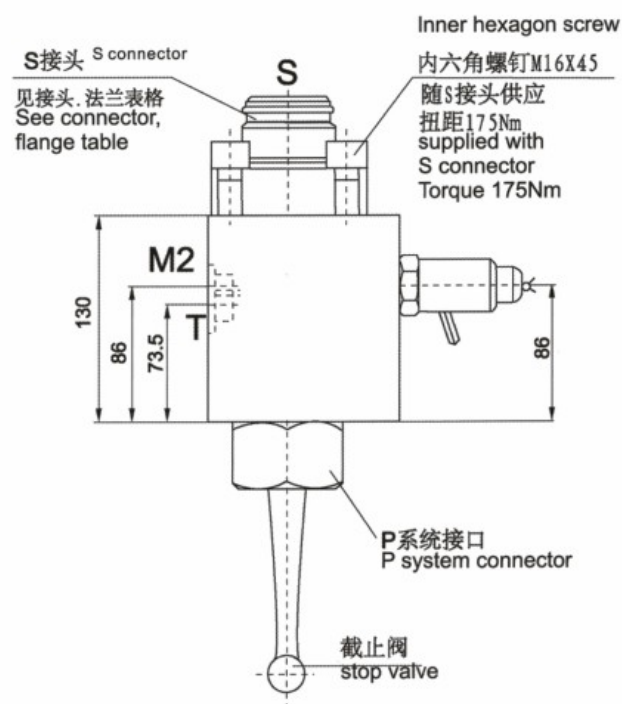
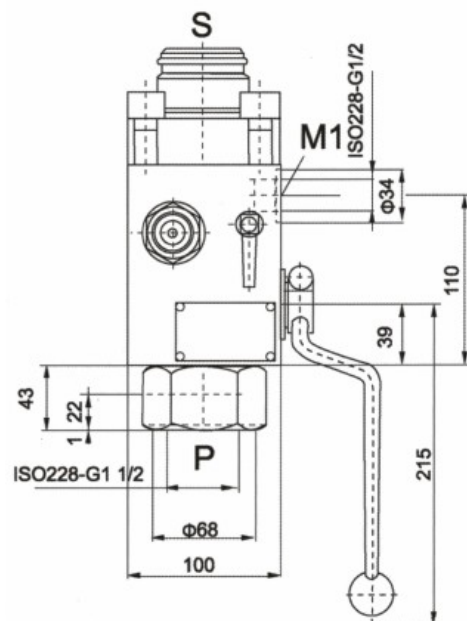
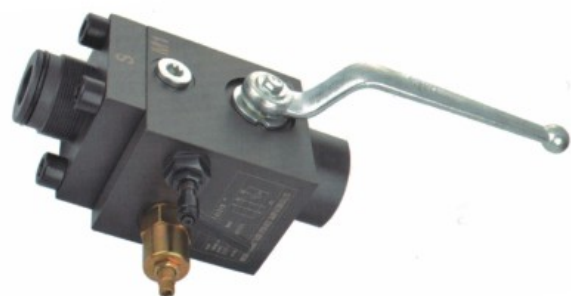
SAF10蓄能器安全截止阀块
SAF10energy storage safety valve block



SAF20蓄能器安全截止阀块
SAF20energy storage safety valve block



SAF32蓄能器安全截止阀块
SAF32energy storage safety valve block



SF型接头, 法兰与国际标准皮囊式蓄能器专用接头
SF type Connector, Flange and International Standard Bladder Energy Storage Specialized Connector

图1
Diagram1

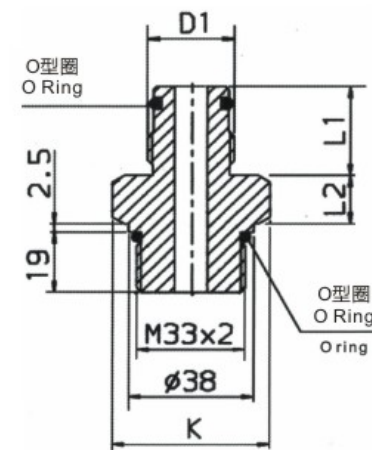


图2
Diagram2

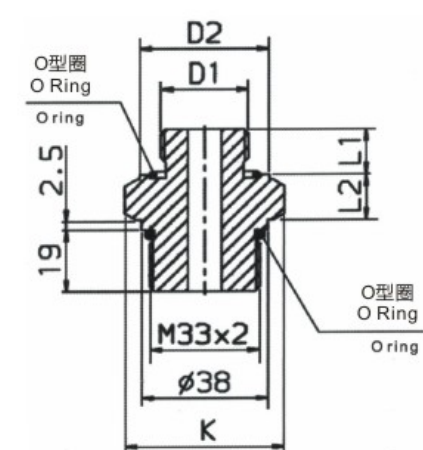


图3
Diagram3

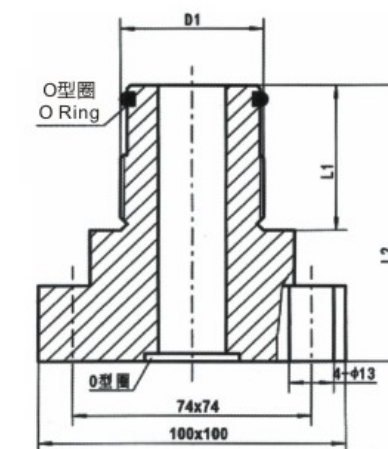
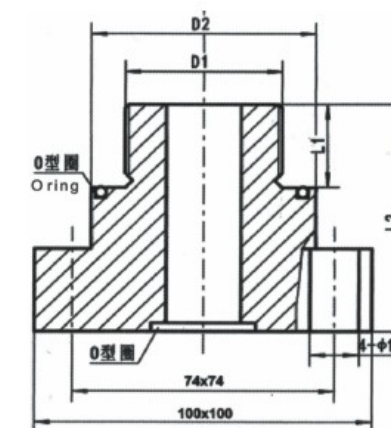


图4
Diagram4



接头型号 Connector	蓄能器型号 Energy storage type	D1连接螺纹 D1 connecting thread	接头 Connector	图号 Diagram No.	KSW	L1 (mm)	L2 (mm)	D2 (mm)	O型圈 O Ring
SAF10/20 DSV 10	SB 330/400-0.5 bis 1 l	G3/4A	S10	1	41	28	15.5		17 x 3
	SB 550/600-1 bis 5 l	G1A	S11		46	34	16.5		22 x 3
	SB 330/400-2.5 bis 1 l	G11/4A	S12			37			30 x 3
	SB 330/400-10 bis 50 l	G2A	S13	2	65	44	20.5		48 x 3
	SB 440/500/600-10 bis 50 l				42	15	17.5	40	32 x 3
	公制细牙螺纹连接 Nominal fine thread connecting	M3.0 x 1.5	S20		55	20	20.5	54	43 x 3
SFA32	SB 330/400-0.5 bis 1 l	G3/4A	S305	3		28	58		17 x 3
	SB 550/600-1 bis 5 l	G1A	S306			34	64		22 x 3
	SB 330/400-2.5 bis 1 l	G11/4A	S307			37	67		30 x 3
	SB 330/400-10 bis 50 l	G2A	S309	4		44	74		48 x 3
	SB 440/500/600-10 bis 50 l					115			
	公制细牙螺纹连接 Nominal fine thread connecting	M3.0 x 1.5	S330			15	47	45	32 x 3
		M4.0 x 1.5	S340			20	51	60	43 x 3
		M5.0 x 1.5	S350					75	53 x 3

蓄能器用AJF型安全截止阀 /AJF safety Stopping Valve

一、概述/General Description

AJF型蓄能器用控制阀组由截止阀、安全阀和卸荷阀等组成，安装于蓄能器和液压系统之间，用于控制蓄能器油液的通断、溢流、卸荷等工况。

AJF safety Stopping Valve for Accumulator, which consists of stopping valve, protection valve unloading valve, etc, is set between accumulator and hydraulic system to control the oil condition of make and break, overflow and unloading.



二、型号说明/Ordering Code

AJF — **H※** **※L** — **※**

名称代号:安全截止阀
Code Name:safety Stopping Valve

压力等级/Pressure:
Hb-10MPa、Hc-20MPa、Hd-31.5MPa

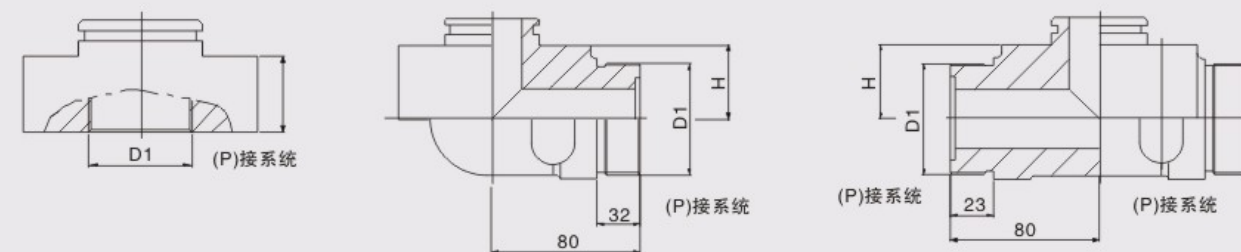
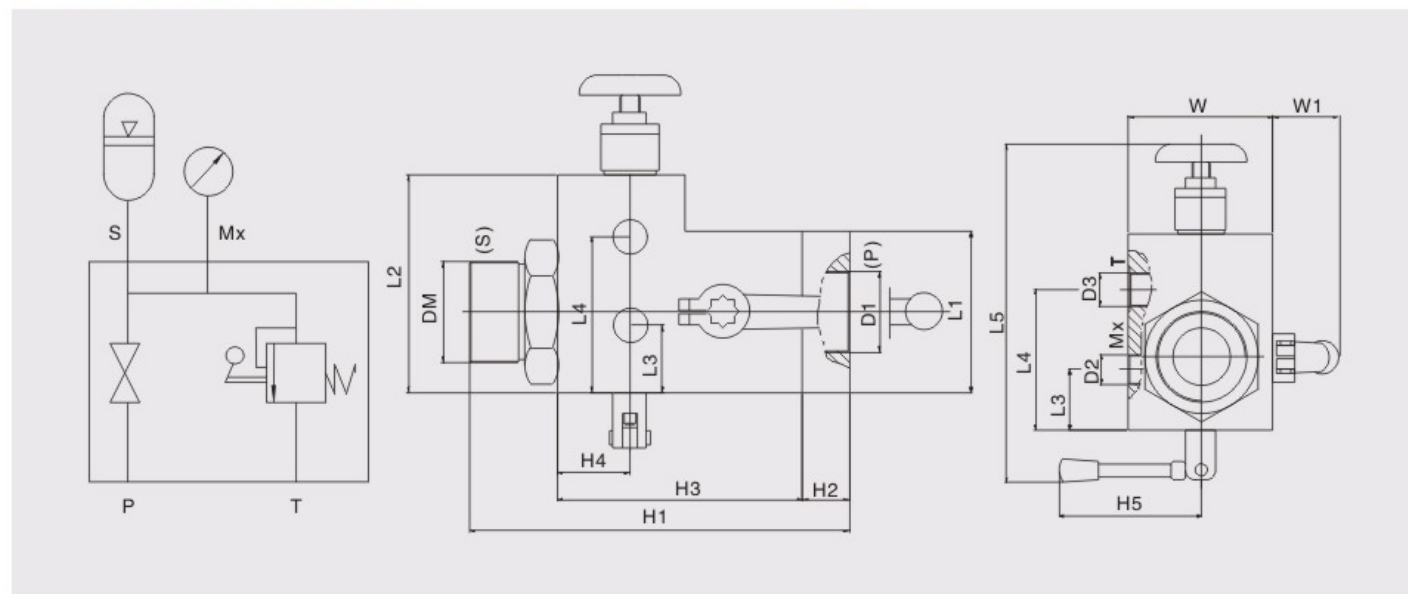
公称通径/Nominal Diameter: 25、40、50mm

连接方式: L-直通式, LS-直角式, LW-三通式
Connection Mode: L-through、LS-right angle、LW-three way

三、技术参数/Technical Parameter

公称压力 / Nominal Pressure	10~31.5MPa
适用介质 / Suitable medium	矿物油、水-乙二醇和乳化液 / Mineral oil, water-glycol, emulsion
介质温度 / Medium temperature	-10℃~ +93℃

四、外型尺寸和结构原理图/Dimension and Structure Principle



AJF型直通式螺纹连接:
AJF-H※-25L~50L

AJF型直角式螺纹连接:
AJF-H※-25LS~50LS

AJF型直角式螺纹连接:
AJF-H※-25LW~50LW

型 号 Model	基本尺寸/Dimension (mm)																	
	L1	L2	L3	L4	L5	W	W1	H	H1	H2	H3	H4	H5	H6	DM	D1	D2	D3
AJF-H※25L	68	100	34	67	190	68	45	30	180.5 / 189.5	26.5	110	38	95	24	M42x2 /M60x2	M33x2	M20x1.5	M22x1.5
AJF-H※25LS														33				
AJF-H※25LW														33				
AJF-H※-40L	96	130	40	93	241 / 255	95	45	40	228 / 236	28	146	40	95	33	M60x2 /M72x2	M48x2	M20x1.5	M22x1.5
AJF-H※-40LS														33				
AJF-H※-40LW														33				
AJF-H※-50L	110	140	55	102	251 / 270	110	50	40	256	31	160	47	95	40	M72x2	M60x2	M20x1.5	M22x1.5
AJF-H※-50LS														40				
AJF-H※-50LW														40				

五、技术参数/Technical Parameter

型 号 Model	PN (Mpa)	DN (mm)	公称流量/Nominal Flux (L/min)	适用蓄能器型号 For Accumulator	重量/Weight (Kg)
AJF-H※25L	10	25	160	NXQ-1.6-6.3/※-L-A NXQ-10-50/※-L-A	6.8
AJF-H※25LS					
AJF-H※25LW					
AJF-H※-40L	20	40	400	NXQ-10-40/※-L-A NXQ-63-100/※-L-A	13.5
AJF-H※-40LS					
AJF-H※-40LW					
AJF-H※-50L	31.5	50	630	NXQ-63-100/※-L-A	18.5
AJF-H※-50LS					
AJF-H※-50LW					

六、订货说明/Booking Note

- 1.订货时需写明型号代号全称，如：工作压力为31.5Mpa，通径为50mm，直角式螺纹连接的安全截止阀：AJF-Hd50LS
- 2.如对此安全截止阀还有特殊要求时，请向本企业商洽。
- 3.本企业保留设计更改权，对修改不另行通知。
- 1.Full type code is needed when booking.For example:Safety Stopping valve group of operating pressure:31.5MPa, inside diameter:50mm;right angle;nut connection.AJF-Hd50LS.
- 2.Contact us if special requirement is needed.
- 3.Design change is retained by our company and amendment is effected without further notice.

蓄能器用XJF型蓄能器用截止阀/ XJF Stopping Valve for Accumulator

一、概述/General Description

XJF型蓄能器截止阀，是依据国外资料研制而成的蓄能器截止阀，其主阀芯为液压平衡锥阀式，此阀专为蓄能器的拆卸设计了排放油口，可替代进口蓄能器截止阀。

XJF stopping Valve for Accumulator,hydraulic balance miter valve type as its master valve core,developed on the basis of foreign information and designed oil drain for disassembly of accumulator which replaces the import stopping valve.

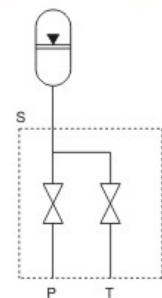
二、型号说明/Ordering Code



三、技术参数/Technical Parameter

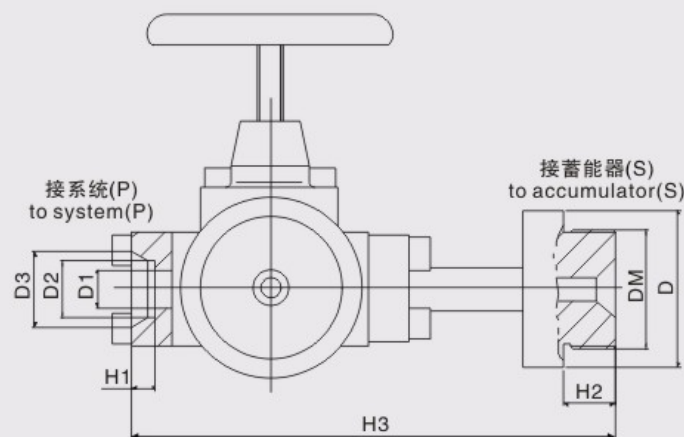
公称压力 Nominal Pressure	10~31.5MPa
适用介质 Suitable medium	矿物油、水-乙二醇和乳化液 Mineral oil,water-glycol,emulsion
介质温度 Medium temperature	-10℃~ +93℃

四、结构原理图/Technical parameter

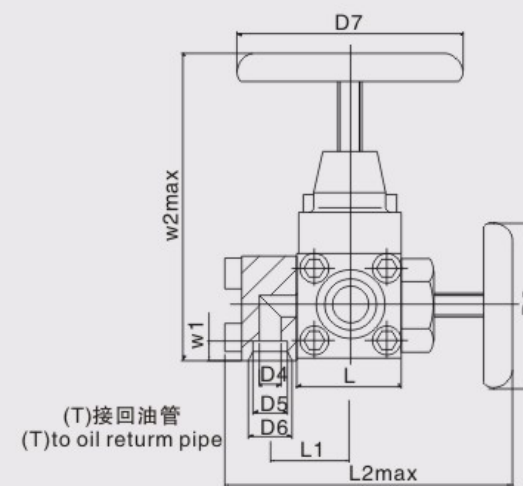


四、XJF型蓄能器截止阀 / XJF stopping valve

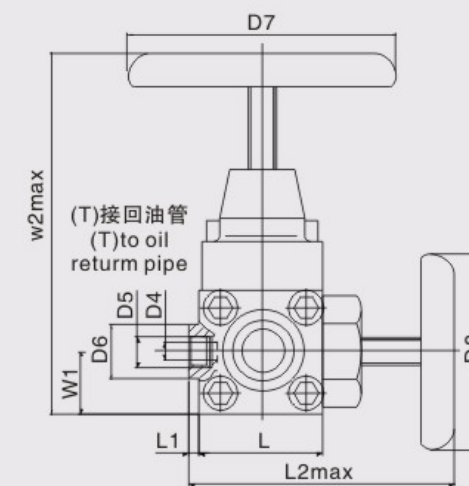
XJF-10 ~ 50/10



XJF-10 ~ 32/10



XJF-40 ~ 50/10



五、技术规格/Technical parameter

型 号 Model	公称口径 NOM.D (mm)	公称压力 NOM.P (Mpa)	排放口径 (mm)	基本尺寸Dimension(mm)											
				L	L1	L2	W1	W2	H1	H2	H3	D	D1	D2	D3
XJF-10/10	10	10 20 31.5	10	58	44	163	10	170	12	20/26	226/236	60	10	17.8	27
XJF-20/10	20			58	44	163	10	170	12	20/26	226/236	60	20	28.5	38
XJF-32/10	32			76	53	190	12	225	16	26	283	80	32	43	55
XJF-40/10	40			92	8	207	46	250	16	26	275	80	40	51	62
XJF-50/10	50			100	10	210	50	280	16	38	316	90	50	61	65

型 号 Model	基本尺寸Dimension(mm)						适用蓄能器型号 For Accumulator	重量 Weight (Kg)
	D4	D5	D6	D7	D8	DM		
XJF-10/10	12	18	24	125	92	M42x2/M60x2	NXQ-1.6~10/※-L-A	7
XJF-20/10	12	18	24	125	92	M42x2/M72x2		7
XJF-32/10	12	18	24	155	107	M60x2/M72x2	NXQ-1.6~100/※-L-A	13
XJF-40/10	12	M22x1.5	40	155	107	M60x2		16
XJF-50/10	12	M22x1.5	40	155	107	M72x2		25

六、订货说明/Booking Note

- 1.订货时须写明型号代号全称，如：工作压力为31.5Mpa，口径为32mm的蓄能器截止阀：XJF-32/10
- 2.如对此截止阀还有特殊要求时，请向本企业商洽。
- 3.本企业保留设计更改权，对修改不另行通知。

- 1.Full type code is needed when booking.For example:stopping valve group of operating pressure 31.5MPa, inside diameter:32mm;XJF-32/10
- 2.Contact us if special requirement is needed.
- 3.Design change is retained by our company and amendment is effected without further notice.

GLC系列列管式油冷却器 / GLC series Tube type oil cooler



一、概述 / General Description

列管式油冷却器GLC系列是按国外资料研制而成的新型高效冷却器，适用于冶金、矿山、化工、电力、机床、轻工、塑料等行业的液压润滑系统，将其工作介质冷却到规定的温度。

GLC系列冷却器由壳体、前盖、后盖、冷却芯等组成。冷却芯有换热管、固定管板、浮动管板、拆流板、支撑杆组成。换热管采用紫铜翅片管，管束一端固定，一端浮动，因而有效的避免因热膨胀而起的结构故障。冷却管可以从壳体中抽出，便于检查，清洗和维修。

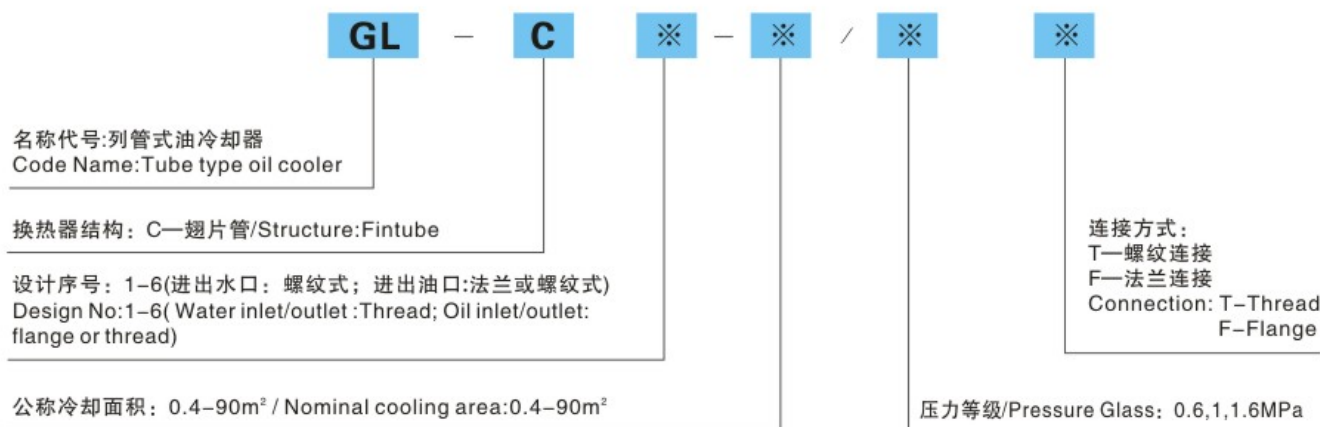
本型冷却器具有体积小、重量轻、结构新颖，换热效果显著等特点，性能达到国外同类产品的水平。

Tube type oil cooler GLC series is suitable for metallurgy, mining, chemical, electric power, machine tool, light industry, plastic industry such as hydraulic lubrication system, its working medium cooling to the prescribed temperature.

GLC series cooler with components of shell, the front cover, back cover, cooling core. Cooling core has a fixed heat exchange tube and tube sheet, floating tubesheet, split flow of plate, support bar. Using copper fin tube heat exchange tube and tube fixed at one end, one end of the float, thus effectively avoid the structure failure due to thermal expansion. Cooling pipe can be from shell in to facilitate inspection, cleaning and maintenance.

This type of cooler has small volume, light weight and innovative structure, characteristics of heat transfer effect is remarkable, performance reached the level of similar foreign products.

二、型号说明 / Ordering Code

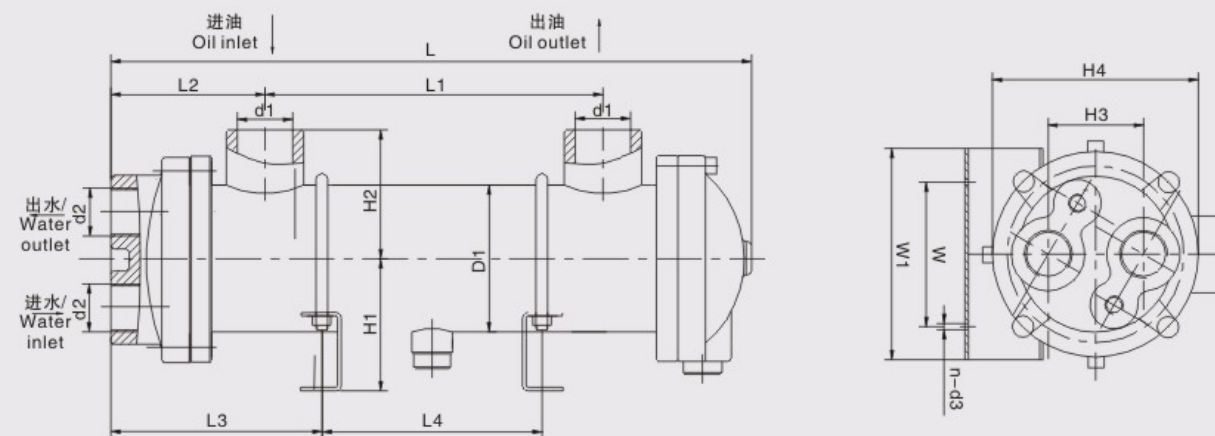


三、技术参数 / Technical Parameter

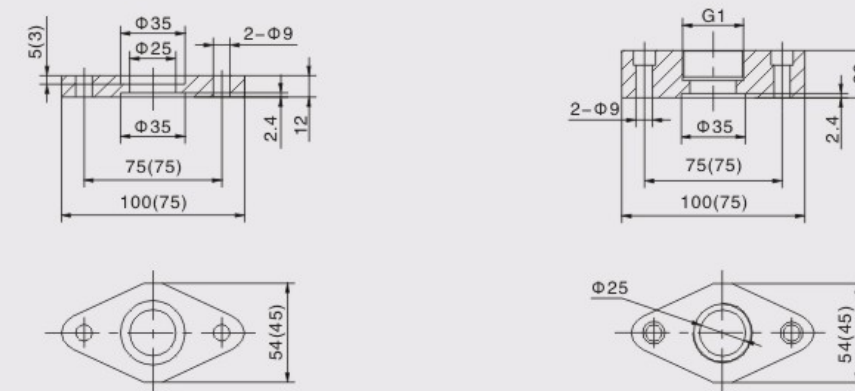
型号 Model	冷却面积 Cooling area (m ²)	工作压力 Working Pressure (MPa)	工作温度 Working Temp (°C)	压力损失 (MPa) Pressure loss		油水流量比 Oil and water flow rate	介质粘度 Medium viscosity (厘泊) m ⁻⁶ m ² /s	换热系数 Heat Transfer Coefficient W/m ² K
				油侧/ Oil Side	水侧/ Water Side			
GLC1	0.4 ~ 1.2	0.6 ~ 1.6	≤100	≤0.1	≤0.05	1:1 左右	10 ~ 50	≥350
GLC2	1.3 ~ 3.5							
GLC3	4 ~ 11							
GLC4	13 ~ 27							
GLC5	30 ~ 54							
GLC6	55 ~ 90							

四、外形尺寸 / Overall Dimension

GLC系列列管式油冷却器/GLC series Tube type oil cooler



进出油口法兰尺寸/flange size for oil in and out



注: 括号内的尺寸是GLC1型, 不加括号的尺寸是GLC2。
Memo: () size is for GLC1 type, without () is for GLC2 type

五、技术规格/Technical Parameter

型号/ Model	基本尺寸Dimension(mm)														油流量范围 (L/min)	重量 Weight (Kg)	
	L	L1	L2	L3	L4	W	W1	H1	H2	H3	H4	D1	d1	d2	n-d3		
GLC1-0.4	370	240	67	115	145	102	132	60	68	52	92	78	G1 (DN25)	G3/4 (DN25)	4-12	10~35	10
GLC1-0.6	540	405			310											25~60	13
GLC1-0.8	660	532			435											35~60	15
GLC1-1	810	665			570											60~75	17
GLC1-1.2	940	805			715											60~85	19
GLC2-1.3	560	375	98	172	225	145	175	85	93	78	137	120	G1 (DN25)	G1 (DN25)	4-12	30~85	21
GLC2-1.7	690	500			350											30~113	26
GLC2-2.1	820	635			485											30~113	29
GLC2-2.6	960	775			630											35~125	33
GLC2-3	1110	925			780											35~125	37
GLC2-3.5	1270	1085			935											40~150	41
GLC3-4	840	570	152	245	380	170	210	125	158	110	238	168	G11/2 (DN36)	G11/4 (DN25)	4-15	35~170	57
GLC3-5	990	720			530											35~190	70
GLC3-6	1140	870			680											40~220	83
GLC3-7	1310	1040			850											45~240	90
GLC3-8	1470	1200			1010								50~280	96			
GLC3-9	1630	1360			1170								50~290	105			
GLC3-10	1800	1530			1340								60~320	110			
GLC3-11	1980	1710			1520								60~350	118			
GLC4-13	1340	985	197	318	745	270	320	160	208	140	305	219	G2 (DN50)	G2 (DN50)	4-Φ19	50~300	152
GLC4-15	1500	1145			905											50~320	164
GLC4-17	1660	1305			1065											60~350	175
GLC4-19	1830	1475			1235											60~400	188
GLC4-21	2010	1655			1415											70~430	200
GLC4-23	2180	1825			1585											70~450	213
GLC4-25	2360	2005			1765											80~480	225
GLC4-27	2530	2175	1935	80~520	238												
GLC5-30	1932	1570	202	327	1320	280	320	200	234	180	355	273	G21/2 (DN65)	G2 (DN50)	4-Φ23	150~650	255
GLC5-34	2152	1790			1540											150~700	280
GLC5-37	2322	1960			1710											200~800	298
GLC5-41	2542	2180			1930											200~850	322
GLC5-44	2712	2350			2100											250~900	340
GLC5-48	2872	2510			2260											250~950	357
GLC5-51	3090	2730			2480											300~1000	380
GLC5-54	3262	2900			2650											300~1100	398
GLC6-55	2272	1860			1590	300	390	230	284	200	410	325	G3 (DN65)	G21/2 (DN65)	4-Φ23	350~1150	418
GLC6-60	2452	2040			1770											350~1200	442
GLC6-65	2632	2220			1950											400~1250	469
GLC6-70	2812	2400			2130											400~1300	498
GLC6-75	2992	2580			2310											500~1350	525
GLC6-80	3172	2760			2490											500~1400	550
GLC6-85	3352	2940			2670											600~1500	575
GLC6-90	3532	3120			2850											600~1600	602

一、主要国内外用户单位/Domestic and foreign user

冶金工业、矿山机械、石油化工、工程（水泥）机械、电力设备、锻压（塑料）设备、汽车（铁路）工业、船舶工业、液压系统（设备）制造企业、液压经销公司、航空航天、军工、流体控制等行业。

Metallurgical industry, mining machinery, petrochemical industry (cement), engineering machinery, power equipment, forging equipment (plastic), cars (railway) industry, shipbuilding industry, hydraulic system (equipment) manufacturers, hydraulic distribution company, aerospace, military industry such as fluid control industry.

二、应用实例/Application



为钢铁公司制造的蓄能器站
Design for iron and steel company



为机床工业制造的蓄能器站
Design for machine tool industry



为石油机械制造的蓄能器
Design for petroleum machinery factory



为水泥行业制造的蓄能器站
Design for cement tool industry



为国内航天发射无人机制造的蓄能器、充气车、高压阀等产品
Design for UAV



为四川部队制造的不锈钢蓄能器
Design for sichuan troops



为国内核潜艇设备制造的
高压截止阀
Design for nuclear submarine



为山西军工单位制造的
蓄能器及附件
Design for Shanxi military enterprises



为全国气弹簧制造厂家制造的
(增压) 充气设备
Design for air spring factory



为浙江印染厂制造的液压设备
Design for Printing factory



为江苏、宁波钢铁公司制
造的连铸机液压设备
Design for Jiangsu and ningbo
iron and steel company



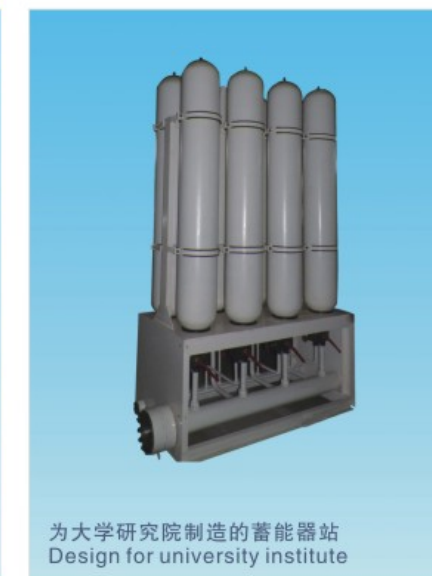
为浙江压力容器公司制造的国内
外先进的数控式压力容器 (气瓶)
疲劳试验机
Design for zhejiang pressure
vessel company



为游艺设备制造蓄能器站
Design for entertainment device



为煤炭研究院制造的蓄能器站
Design for coal research institute



为大学研究院制造的蓄能器站
Design for university institute



为冶金行业制造的蓄能器站
Design for metallurgical industry



污水处理设备不锈钢蓄能器
Design for sewage treatment equipment



为压铸行业制造蓄能器站
Design for die casting industry



为有色金属院制造的蓄能器站
Design for non-ferrous metals institute



辅热发电提供的蓄能器站
Design for Auxiliary heat power station



为冶金行业制造的蓄能器站
Design for metallurgical industry



原材料仓库 / Raw material warehouse



半成品仓库 / Semi-finished warehouse



蓄能器半成品库 / Accumulator semi-finished warehouse



球阀成品库 / Ball valve warehouse



活塞式蓄能器生产专用设备
Piston accumulator special equipment



活塞式蓄能器加工设备
Piston accumulator processing equipment



热处理设备
Heat treatment equipment



囊式蓄能器生产专用设备
Bladder accumulator special equipment



活塞式蓄能器加工设备
Piston accumulator processing equipment

隔膜式蓄能器生产专用设备
Diaphragm Accumulator special equipment



蓄能器生产专用设备
Accumulator special equipment





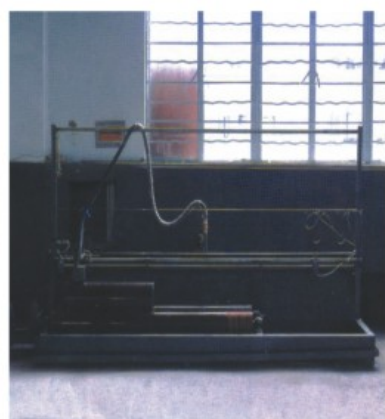
数控车间/NC Workshop



加工中心/CNC



力学性能试验
Mechanical Property test



超声波探伤仪
Ultrasonic flaw detector



磁粉探伤仪
Magnetic defect detector



蓄能器出厂试验台
Test bench



理化分析室
Chemical analysis lab



山清水秀的溪口风景 流连你的脚步

公司座落在国家AAAAA级景区——溪口古镇

人青蒋弥
杰山氏勒
地绿故圣
灵水里地



蒋介石故居武陵门

蒋经国别墅和文昌阁

