



YEOSHE

液壓配件

Hydraulic Components

蓄壓器 系列

Bladder Accumulators Series



www.yeoshehydraulic.com

Efficient Performance

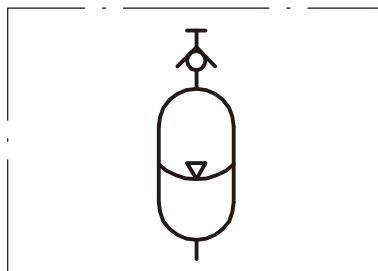
Innovative Technology

Reliable Quality and
Service

YEOSHE HYDRAULICS CO.,LTD.

蓄壓器

BLADDER ACCUMULATORS type AS



商品型號 Order Code

AS	25	P	360	C	R	G4	V	-	8	-	C	0	C	0	R250	/	30
1	2	3	4	5	6	7-8	9		10		11	12	13	14	15		16
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

1	系列 Series	
	Bladder accumulator = AS	
	Bladder accumulator for fluid gr. 1 (dangerous) = ASP	
2	額定容量 Nominal capacity	
	0.2 lt = 0.2	
	0.7 lt = 0.7	
	1 lt = 1	
	1.5 lt = 1.5	
	3 lt = 3	
	5 lt = 5	
	10 lt = 10	
	15 lt = 15	
	20 lt = 20	
3	氣囊材質 Bladder material	
	丁腈膠 Nitrile rubber (NBR) = P	
	Nitrile for low temp. = F	
	碳氫化合物 Nitril for hydrocarbons = H	
	氫化丁腈膠 Hydrogenated nitrile (HNBR) = K	
	丁基橡膠 Butyl (IIR) = B	
	乙丙膠 Ethylene-propylene (EPDM) = E	
	氯丁二烯 Chloroprene (Neoprene) = N	
	環氧氯丙烷 Epichlorohydrin (ECO) = Y	
	碳氟化合物 Fluorocarbon (FPM) = V	
4	最大使用壓力 Max working pressure (PS)	
	請見第三頁表格 See the table on page 3	
9	充氣閥接口 Type of filling valve	
	標準充氣閥 螺紋5/8" UNF Standard filling valve 5/8" UNF thread = V	
	不鏽鋼標準充氣閥螺紋5/8" UNF Standard filling valve with 5/8" UNF thread in stainless steel = VX	
	無標準充氣閥(螺紋孔規格M12x1.5) Without filling valve (thread hole M12x1.5) = V0	
	銅製標準充氣閥 Brass filling valve 1/4" BSP = V2	
7-8	流體端口尺寸 Dimension of the connection fluid or 7+8 table	
	請見第三頁表格 See the table on page 3	
6	流體端接口 Fluid port connection	
	請見第三頁表格 See the table on page 3	
5	本體材質 Body material	
	碳鋼 Carbon steel = C	
	鍍鎳碳鋼 Nickel coated carbon steel 25 μ = N	
	鍍鎳碳鋼 Nickel coated carbon steel 40 μ = M	
	不銹鋼 Stainless steel = X	
	Rilsan塗層 Rilsan coating = V	

根據要求會有不同壓力
Special variants upon request

蓄壓器

BLADDER ACCUMULATORS type AS

YEOSHE

商品型號 Order Code

AS	25	P	360	C	R	G4	V	-	8	-	C	0	C	0	R250	/	30
1	2	3	4	5	6	7-8	9		10		11	12	13	14	15		16
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

測試與認證 Test and certification	
工廠測試 Factory testing	= 0
俄羅斯TR認證 TR(Russia)	= 1
澳大利亞標準 Australian Standard	= 2
中國ML認證 ML(China)	= 3
船用RINA認證 RINA	= 4
壓力設備PED97/23/EC認證 (容量大於1L) PED97/23/EC(for capacities greater than 1L)	= 8
潛在爆炸環境用的設備及保護系統ATEX 94/9/EC認證 ATEX 94/9EC	= 9
挪威DNV船級認證 DNV	= 10
烏克蘭RTN認證 RTN Passport (Ukraine)	= 11
阿爾及利亞認證 Algeria passport	= 12
巴西NR13標準認證 Standard regulation (NR13) (Brazil)	= 13
突尼西亞認證 Tunisia passport	= 14
美國驗船協會ABS認證 ABS	= 16

油壓閥材質 Fluid valve material	
碳鋼 Carbon steel	= C
鍍鎳25μ碳鋼 Nickel coated carbon steel 25 μ	= N
鍍鎳40μ碳鋼 Nickel coated carbon steel 40 μ	= M
不鏽鋼 Stainless steel	= X

出油口規格 Variants of fluid side	
標準 Standard	= 0
不鏽鋼轉接頭 Adapter in stainless steel (R)	= 1
不鏽鋼底部/彈簧 Button and spring in stainless steel	= 2
若無特殊要求，正常材料為EPE Other numbers/variants to be requested EPE	

預充壓力 Precharge pressure (bar)	
標準 30 bar = 0 ÷ 300 (<PS) Standard 30 bar = 0 ÷ 300(< PS)	

特殊要求 Other variants	
請見第三頁表格 See the table on page 3	

洩氣口規格 Variants of gas side	
標準 Standard	= 0
僅洩氣口蓋為不銹鋼 Only cap in stainless steel	= 1
銅製標示牌 Brass nameplate	= 2
若無特殊要求，正常材料為EPE Other numbers/variants to be requested EPE	

排氣閥材料 Gas valve material	
碳鋼 Carbon steel	= C
鍍鎳25μ碳鋼 Nickel coated carbon steel 25 μ	= N
鍍鎳40μ碳鋼 Nickel coated carbon steel 40 μ	= M
不鏽鋼 Stainless steel	= X

I

2

BLADDER ACCUMULATORS type AS



蓄壓器

BLADDER ACCUMULATORS type AS

4	最高工作壓力 Max working pressure (PS)	
容量 Capacity litres	碳鋼 Carbon steel	不鏽鋼 Stainless steel
0,2 ÷ 3	360 (ASP只能使用100內) (100 only for ASP type)	150 - 210 - 360
1 ÷ 3	343 (針對船用RINA認證) (for Certification RINA [4])	-
5 ÷ 55	360 (ASP只能使用100內: 使用L連接器或是與B/ U連接器 相關的壓力皆須低於210) (100 only for ASP type: 210 only for the version with connection L or other pressure related to connections B or U)	80 - 150 - 210 - 360
5 ÷ 55	343 (針對船用RINA認證) (for Certification RINA [4])	-

6	出油口連接器 Fluid port connection	
For AS0.7÷55	BSP ISO 228 標準倒角 with chamfer for OR (std)	= A
For AS0.2	BSP ISO 228 標準(std)	= G
For AS3÷55	公制標準 Metric	= M
For AS0.7÷55	NPT-F	= P
For AS3÷55	內部英制螺牙 internal thread SAE	= S
For AS3÷55	法蘭SAE 3000 Psi連接器 adapter for flange SAE 3000 Psi	= L
For AS3÷55	法蘭SAE 6000 Psi連接器 adapter for flange SAE 6000 Psi	= H
For AS0.7÷55	法蘭ANSI flange ANSI	= B
For AS0.7÷55	法蘭UNI-DIN flange UNI - DIN	= U
For AS0.7÷55	正方形法蘭 square flange	= Q
For AS 0.7÷55	轉接器 adapter*	= R
*裝在液壓閥上請用type A (assembled on the fluid valve connection type A)		

7 油路連接器規格 Dimension of the fluid connection		
以下為連接器規格 For the type of connection:		
A	(0.7÷1.5 l) ¾"	= 5
	(3÷5 l) 1" ¼	= 7
	(10÷55 l) 2"	= 9
G	(0.2 l) ½"	= 4
M	(3÷5 l) 40x1.5	= 40/1.5
	(10÷55 l) 50x1.5	= 50/1.5
P	(0.7÷1.5 l) ¾"	= 5
	(3÷5 l) 1" ¼	= 7
	(10÷55 l) 2"	= 9
S	(0.7÷1.5 l) 1" 1/16 12UN	= 1 1/16-12
	(3÷5 l) 1" 5/8 12UN	= 1 5/8-12
	(10÷55 l) 1" 7/8 12UN	= 1 7/8-12
L	(3÷5 l) 1" ¼ SAE3000	= 7
	(10÷55 l) 1" ½ SAE 3000	= 8
	2"SAE 3000	= 9
H	(3÷5 l) 1" ¼ SAE6000	= 7
	(10÷55 l) 1" ½ SAE 6000	= 8
	2"SAE 6000	= 9
B	(0.7÷55 l) 規格/功率 DIMENSION/RATING	
	Former. 1" ANSI 1500 = 1/1500 (Pmax = 250 bar)	
U	(0.7÷55 l) DN/PN	
	Former. DN50 PN100 = 50/100 (Pmax = 100 bar)	
Q	(3÷5 l) 1"¼	= 7
	(10÷55 l) 2"	= 9
R	(0.7÷55 l) Blind	= 0
R	(0.7÷55 l) 內部螺牙 internal thread	
	BSP ISO 228	= G *
	NPT-F	= P *
	BSPT	= N *
	SAE	= S *
	Metric	= M *
*第8欄位 Variant in table 8		

其他規格需要依照特殊要求
Special variants on request

15	特殊要求 Other variants	
連接器與破裂盤設定在壓力XXX bar Adapter + rupture disc set at xxx bar (see Section 8.2)		= Rxxx
連接器與壓力表/破裂盤相連 Adapter with connection for pressure gauge + rupture disk		= RxxxM
連接器與安全閥VS224S壓力設置於XXX bar Adapter + Safety valve type VS224X set at xxx bar		= Vxxx
連接器與1/4" BSP針式閥 Adapter + Needle Valve of ¼" BSP		= EG2
連接器與不銹鋼1/4" BSP針式閥 Adapter + Stainless steel needle Valve of ¼" BSP		= EG2X
轉接頭(不含壓力表轉接頭) Adapter + excluding device with full scale pressure gauge of xxx bar		= EMxxx
轉接頭(不含90度壓力錶) Adapter + excluding device of 90° with full scale pressure gauge of xxx bar		= ELMxxx
連接器與安全閥VS11 Adapter + safety valve VS 11		= T11
連接器與安全閥VS16 Adapter + safety valve VS 16		= T16
連接器與二路可控制閥 Adapter + shut off 2-way valve		= S2
連接器與三路可控制閥 Adapter + shut off 3-way valve		= S3
沖洗汙染物的程度 ≤ 等級 Flushing with degree of contamination ≤ ...class		= Fx
要指定70-80μ厚度聚氨酯塗料顏色 70-80 μ thick polyurethane paint with colour to be specified		= Wxxx
要指定外部顏色 Off-shore paint with colour to be specified		= Zxxx
要指定NORSOK系統1油漆顏色 NORSOK System 1 paint with colour to be specified		= K1
要指定NORSOK系統7油漆顏色 NORSOK System 7 paint with colour to be specified		= K7
*其他規格需依照特殊要求 other variants upon request		

8		尺寸 Dimension	
1/8"	= 1	4/4"	= 5
1/4"	= 2	1"	= 6
3/8"	= 3	1" 3/4"	= 7
1/2"	= 4	1" 1/2"	= 8

英制-每英寸螺牙數量
Dimension in inch - No. of pitch for inch

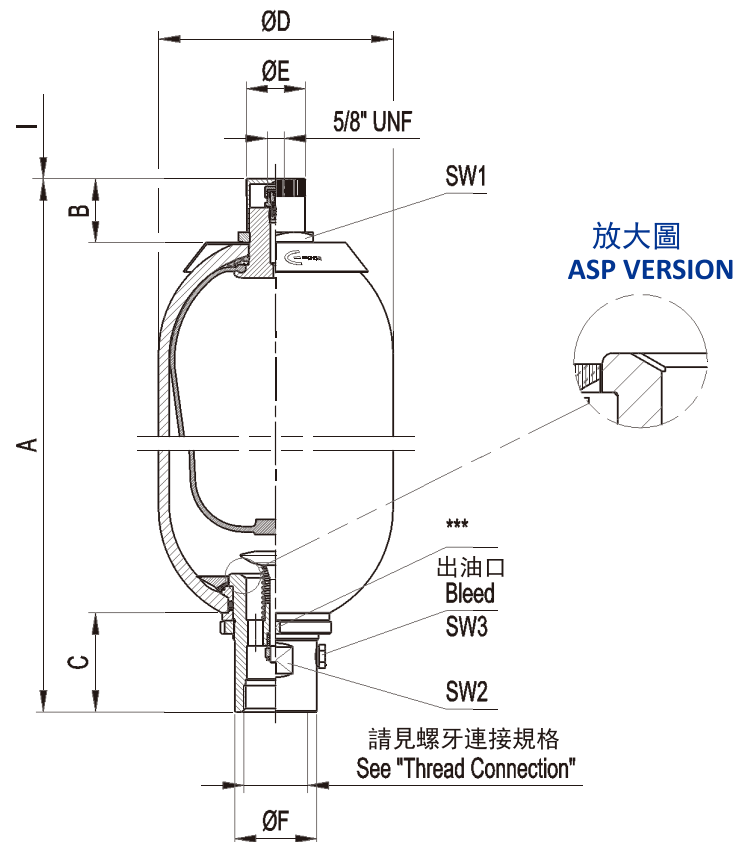
圓徑/螺牙 Diameter/pitch

蓄壓器

BLADDER ACCUMULATORS type AS

YEOSHE

尺寸表 Dimensions



型號 Acc.type AS-ASP in carbon steel	容量 Nominal gas volume litres	有效容量 Effective gas volume litres	工作壓力 Working pressure bar	種類2 Ped cat. Fluids of group 2 AS	種類1 Ped cat. Fluids of group 1 ASP	最大壓差 Max.diff. pressure P2-P1 bar	通過流量 Flow rate l/min	最大減速比 Max.comp.ratio P0/P2
AS/ASP 0,2	0,2	0,2	360	Art.3(3)	III	100	160	1:4
AS/ASP 0,7	0,7	0,65	360	Art.3(3)	III	100	300	1:4
AS/ASP 1	1	1	360	Art.3(3)	III	100	300	1:4
AS/ASP 1,5	1,5	1,5	360	II	III	100	300	1:4
AS/ASP 3	3	2,95	360	III	IV	100	600	1:4
AS/ASP 5	5	5	360	III	IV	100	600	1:4
AS/ASP 10	10	9,1	360	IV	IV	100	1000	1:4
AS/ASP 15	15	14,5	360	IV	IV	100	1000	1:4
AS/ASP 20	20	18,2	360	IV	IV	100	1000	1:4
AS/ASP 25	25	23,5	360	IV	IV	100	1000	1:4
AS/ASP 35	35	33,5	360	IV	IV	100	1000	1:4
AS/ASP 55	55	50	360	IV	IV	100	1000	1:4

最大壓差為最大使用壓力扣除最小使用壓力的相差值，會影響續壓器使用次數（最好可使用超過2,000,000次）

* The maximum differential pressure is the maximum allowable difference between the maximum pressure and the minimum working pressure (P2-P1) to have an infinite life cycle of the accumulator (greater than 2,000,000 cycles).

流速指的是黏度36cSt與壓力5bar下的流速

** Flow rate measured using mineral oil with viscosity of 36 cSt at 50°C and ΔP = 5 bar



蓄壓器

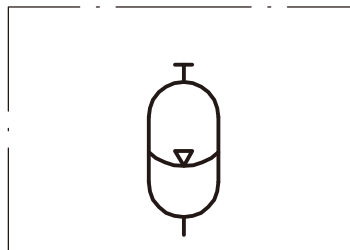
BLADDER ACCUMULATORS type AS

尺寸表 Dimensions

規格 Acc.type AS-ASP in carbon steel	A mm	B mm	C mm	ØD mm	ØE mm	ØF mm	I mm	SW 1 mm	SW 2 mm	SW 3 mm	出油口 Bleed	淨重 Acc.dry weight kg
AS/ASP 0,2	252±2	23	40	53	20	26	140	24	23	4*	M5	1,7
AS/ASP 0,7	280±1,5	47	52	90	25	36	140	32	32	4*	M5	4,2
AS/ASP 1	296±5	47	52	114	25	36	140	32	32	4*	M5	5,2
AS/ASP 1,5	355±5	47	52	114	25	36	140	32	32	4*	M5	6,3
AS/ASP 3	554±8	47	65	114	25	53	140	32	50	4*	M5	11
AS/ASP 5	458±10	47	65	168	25	53	140	32	50	4*	M5	15
AS/ASP 10	569±10	60	101	220	60	77	140	70	70	19**	M5	33
AS/ASP 15	719±10	60	101	220	60	77	140	70	70	19**	1/4"BSP	43
AS/ASP 20	879±10	60	101	220	60	77	140	70	70	19**	1/4"BSP	48
AS/ASP 25	1044±15	60	101	220	60	77	140	70	70	19**	1/4"BSP	59
AS/ASP 35	1393±15	60	101	220	60	77	140	70	70	19**	1/4"BSP	78
AS/ASP 55	1904±15	60	101	220	60	77	140	70	70	19**	1/4"BSP	108

蓄壓器

BLADDER ACCUMULATORS type AMS

YEOSHE

商品型號 Order Code

AMS	1	P	210	C	G	4	VM	-	0	/	30
1	2	3	4	5	6	7	8		9		10
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

1	系列 Series
	隔膜蓄壓器 Diaphragm accumulator = AMS

2	額定容量 Nominal capacity
	0,075 lt = 0,075
	0,16 lt = 0,16
	0,32 lt = 0,32
	0,5 lt = 0,5
	0,75 lt = 0,75
	1 lt = 1
	1,4 lt = 1,4
	2 lt = 2
	2,8 lt = 2,8
	3,5 lt = 3,5

3	隔膜材質 Diaphragm material
	丙烯腈 Gomma nitrilica (NBR) = P
	環氧氯丙烷 Epichloridrina (ECO) = Y

7	接口規格 Dimension of connection side
	For the type of connection:
	G (for capacity 0.075 ÷ 2 l) 1/2" = 4
	G (for capacity 3.5 l) 3/4" = 5

6	流體端接口 Fluid port connection
	BSP ISO 228 接頭 (母) Female = G
	BSP ISO 228 接頭 (母) 、公制 Female and metric = W
	接頭 (公) M33x1.5 流量 0.5-0.75-1-1.4-21
	male M33x1.5 for capacity 0.5-0.75-1-1.4-21
	接頭 (公) M45x1.5 流量 2.8-3.5
	male M45x1.5 for capacity 2.8-3.5

5	本體材質 Body material
	碳鋼 Carbon steel = C
	不銹鋼(100 bar) Stainless steel (100 bar) = X

4	使用最大壓力 Max working pressure (PS)
	容量 Capacity (litres)
	碳鋼 Carbon steel (bar)
	不銹鋼 Stainless steel
	0,075 = 250 100
	0,16 = 250 100
	0,32 = 210 100
	0,5 = 210 100
	0,75 = 150 - 210 - 330 100
	1 = 210 100
	1,4 = 210 - 350 100
	2 = 100 - 210 100
	2,8 = 210 - 350 100
	3,5 = 250 - 350 -

其他規格需依照特殊需求
Special variants upon request

I

6

BLADDER ACCUMULATORS type AMS



蓄壓器

BLADDER ACCUMULATORS type AMS

商品型號 Order Code

AMS	1	P	210	C	G	4	VM	-	0	/	30
1	2	3	4	5	6	7	8		9		10

充氣閥接口 Gas side connection	
8	標準牙 M28x1.5 Standard filling valve thread M28x1.5 = VM 無預充閥/有預充校驗 Without pre-charge valve with fixed pre-charge calibration = VT

預先測試規範 Test and certification	
9	工廠測試 Factory testing = 0 俄羅斯TR認證 TR (Russia) = 1 中國ML認證 ML (China) = 3 壓力設備PED97/23/EC認證 PED97/23/EC(for capacity 1,5-2,5 l) = 8 潛在爆炸環境用的設備及保護系統ATEX 94/9/EC認證 ATEX 94/9EC = 9 俄羅斯RTN認證 RTN Passport (Russia) = 11 阿爾及利亞認證 Algeria passport = 12 巴西NR13標準認證 Standard regulation (NR13) (Brazil) = 13 突尼西亞認證 Tunisia passport = 14

預充壓力 Precharge pressure (bar)	
10	標準 30 bar = 0 ÷ 130(max 130 bar) Standard 30 bar = 0 ÷ 130(max 130 bar)



YEOSHE HYDRAULICS CO., LTD.
YEOSHE BEST CHOICE

Innovative Technology
Efficient Performance
Reliable Quality and Service

油昇油壓股份有限公司
YEOSHE HYDRAULICS CO., LTD.

413 台灣台中市霧峰區霧工一路68號

No.68, Wugong 1st Rd., Wufong Dist., Taichung City, Taiwan, 413

TEL : +886-4-23332339 FAX : +886-4-23333817 E-mail : yeoshe@yeoshe.com.tw

東莞辦事處 Dongguan TEL : +86-769-85965158 FAX : +86-769-81635359 E-mail : yeoshe@yeoshe.com.tw

上海辦事處 Shanghai TEL : +86-21-69785786 FAX : +86-21-69785787 E-mail : yeoshe@yeoshe.com.tw

經銷商 Distributor

www.yeoshehydraulic.com

版權所有 翻印必究
Copyright © 2017 by YEOSHE