

Hydropneumatic Accumulators & Pulsation Dampers



New- 1/4" bsp gas valve option

Applications include:

- Shock absorption
- Energy storage
- Energy standby
- Leakage makeup
- Pulsation and noise dampening
- Water hammer (stainless steel – please consult MP Filtri)
- Compensation for volume changes
- Pressure stabilisation

Type	Max pressure	Volume/size
L	210 bar	100, 350 cm ³
LA	250 bar	0.75 to 12 litres
LAS	350 bar	0.75 to 12 litres
AS	360 bar	15 to 55 litres
WA	350 bar	0.05 to 4.0 litres

Please consult MP Filtri UK for a complete range of piston and special purpose accumulators.



LType

Accumulator with exchangeable diaphragm

* MAXIMUM pre-charge pressure is 90% of the minimum operating pressure to increase service life.

** MINIMUM pre-charge pressure is 1/6th of the maximum operating pressure to increase the service life.

For example:

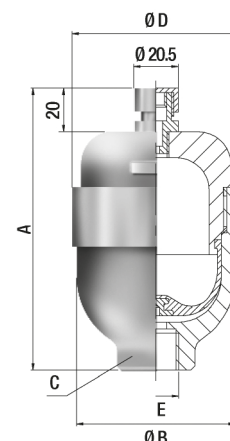
If the hydraulic system has an operating pressure range between 50 and 120 bar, then the pre-charge pressure should be between 20 and 45 bar.

TECHNICAL DATA

Operating pressure	max. 210 bar
Gas filling (nitrogen only)	max. 90% of min. operating pressure * (see definition above)
Admissible pressure ratio	max. $\leq 6/1$ (ratio between the max. operating pressure and the gas pre-charge pressure) ** (see definition above)
Operating temperature	From -15 to +80°C
Mounting	In any orientation

STANDARD CONSTRUCTION CHARACTERISTICS

Material or body	Carbon steel
Diaphragm	NBR
Gas connection valve	5/8"UNF
Painting	Anti-rust primer
Test	On request



DIMENSIONS

*** For M28x1.5 please consult MP Filtri

Type	Nominal Volume <i>cm³</i>	Pressure <i>max. bar</i>	Liquid inlet port <i>E</i>	Gas valve*** <i>Connection</i>	A	ØB	C	ØD	Weight <i>kg</i>
L 0.1	100	210	1/2" BSP	5/8"UNF	128	73	36	77	1.9
L 0.35	350	210	1/2" BSP	5/8"UNF	157	94	40	99.5	2.9

How to ORDER

Example: L - 1 - 0.1 - 1 - O - G4 - A - PO 50 bar

L	-	1	-	0.1	-	1	-	O	-	G4	-	A	-	PO
Type		Gas valve 5/8"UNF		Volume 100 cm ³		Separating Element Nitrile (NBR)		Shell material Carbon Steel		Liquid inlet port G4 = 1/2" BSP		Tested A = Factory tested		Pre Charge optional - complete if pre-charge is required in bar

LA Type

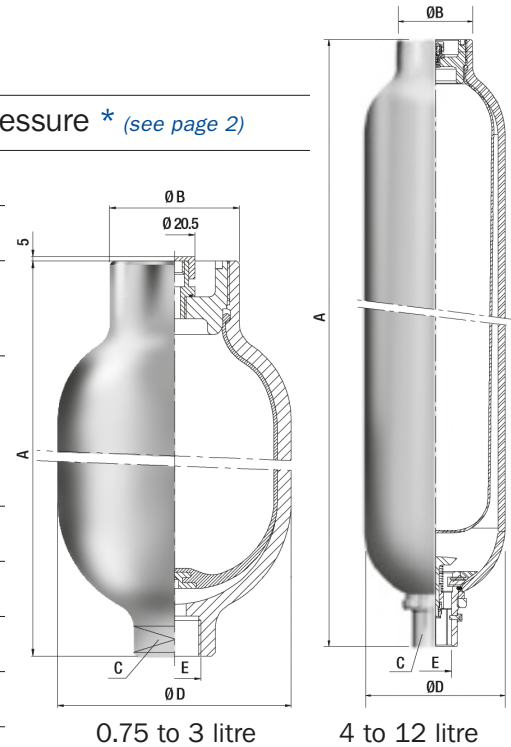
Accumulator with exchangeable bladder

TECHNICAL DATA

Operating pressure	max. 250 bar
Gas filling (nitrogen only)	max. 90% of min. operating pressure * (see page 2)
Admissible pressure ratio	max. $\leq 6/1$ ** (see page 2)
Operating temperature	From -15 to +80°C
Mounting	Horizontal or vertical with gas valve upwards

STANDARD CONSTRUCTION CHARACTERISTICS

Material or body	Carbon steel
Bladder	NBR
Gas connection valve	5/8" UNF
Painting	Anti-rust primer
Test	On request



DIMENSIONS

Type	Nominal Volume cm ³	Pressure max. bar	Liquid inlet port E	Gas valve Connection	A	ØB mm	C	ØD	Weight kg
LA 0.75	750	250	1/2" BSP	5/8" UNF	192	65	41	116	4.35
LA 1	1000	250	1/2" BSP	5/8" UNF	210	65	41	116	5.0
LA 1.5	1650	250	1/2" BSP	5/8" UNF	292	65	41	116	6.76
LA 3	3000	250	3/4" BSP	5/8" UNF	485	65	41	116	10.5
LALS 4	4000	250	3/4" BSP	5/8" UNF	360±5	85	38	168.5	12.1
LALS 6	6000	250	3/4" BSP	5/8" UNF	450±10	84.5	38	168.5	14.0
LA 10	10,000	250	1 1/4" BSP	5/8" UNF	740	90	50	168.5	28.5
LA 12	12,000	250	1 1/4" BSP	5/8" UNF	840	90	50	168.5	32.5

How to ORDER

Example: LA - 1 - 0.75 - 1 - 0 - G4 - A - PO 90 bar

LA/LALS	-	1	-	0.75	-	1	-	0	-	G4	-	A	-	PO
Type		Gas valve 5/8" UNF		Volume 750 cm ³		Separating Element Nitrile (NBR)		Shell material Carbon Steel		Liquid inlet port G4 = 1/2" BSP G5 = 3/4" BSP G7 = 1 1/4" BSP		Tested A = Factory tested		Pre Charge optional - complete if pre-charge is required in bar

LAS[®]Type

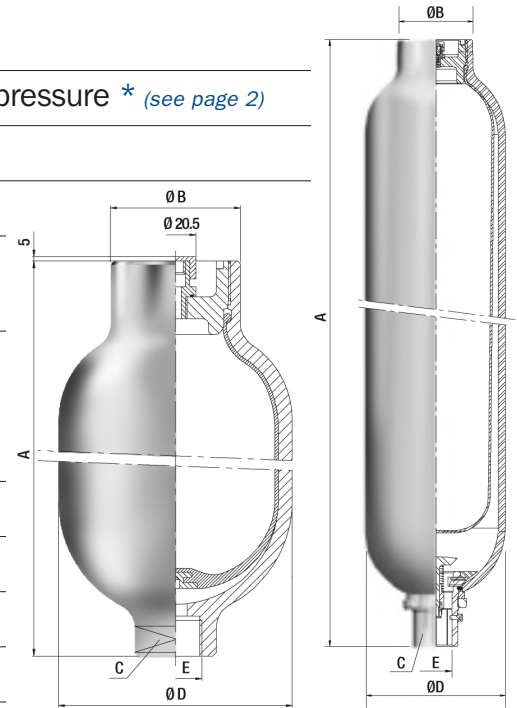
Accumulator with exchangeable bladder

TECHNICAL DATA

Operating pressure	max. 350 bar
Gas filling (nitrogen only)	max. 90% of min. operating pressure * (see page 2)
Admissible pressure ratio	max. $\leq 6/1$ ** (see page 2)
Operating temperature	From -15 to +80°C
Mounting	Horizontal or vertical with gas valve upwards

STANDARD CONSTRUCTION CHARACTERISTICS

Material or body	Carbon steel
Bladder	NBR
Gas connection valve	5/8"UNF
Painting	Anti-rust primer
Test	On request



DIMENSIONS

0.75 to 5 litre

10 to 12 litre

Type	Nominal Volume cm ³	Pressure max. bar	Liquid inlet port E	Gas valve Connection	A	ØB mm	C	ØD	Weight kg
LAS 0.75	750	350	1/2" BSP	5/8"UNF	192	65	41	116	4.35
LAS 1	1000	350	1/2" BSP	5/8"UNF	210	65	41	116	5.0
LAS 1.5	1650	350	1/2" BSP	5/8"UNF	292	65	41	116	6.76
LAS 3	3000	350	3/4" BSP	5/8"UNF	485	65	41	116	10.5
LAS 4	4000	350	3/4" BSP	5/8"UNF	370	90	60	168.5	14.5
LAS 5	5000	350	3/4" BSP	5/8"UNF	420	90	60	168.5	15.5
LAS 10	10,000	350	1 1/4" BSP	5/8"UNF	740	90	50	168.5	28.5
LAS 12	12,000	350	1 1/4" BSP	5/8"UNF	840	90	50	168.5	32.5

How to ORDER

Example LAS - 1 - 0.75 - 1 - 0 - G4 - A - PO xxx Bar

LAS	-	1	-	0.75	-	1	-	0	-	G4	-	A	-	PO
Type		Gas valve 5/8"UNF		Volume 750 cm ³		Separating Element Nitrile (NBR)		Shell material Carbon Steel		Liquid inlet port G4 = 1/2" BSP G5 = 3/4" BSP G7 = 1 1/4" BSP		Tested A = Factory tested		Pre Charge optional - complete if pre-charge is required in bar

AStype

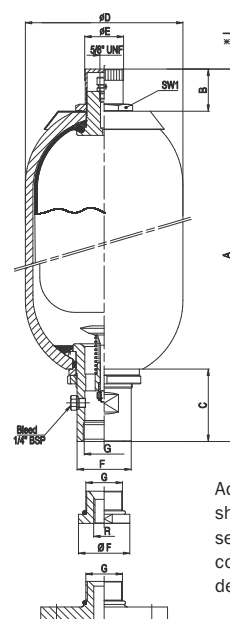
Accumulator with exchangeable bladder

TECHNICAL DATA

Operating pressure	max. 360 bar
Gas filling (nitrogen only)	max. 90% of min. operating pressure * (see page 2)
Admissible pressure ratio	max. $\leq 4/1$ ** (see page 2)
Operating temperature	From -15 to +80°C
Mounting	Horizontal or vertical with gas valve upwards

STANDARD CONSTRUCTION CHARACTERISTICS

Material or body	Carbon steel
Bladder	NBR
Gas connection valve	5/8" UNF
Painting	Anti-rust primer
Test	On request



Adapter pieces as shown can be ordered separately - please contact mp for further detail.

DIMENSIONS

Type	Nominal Volume Litres	Effective Volume Litres	Dry Weight Kg	G Fluid Port	A	B	C	ØD	ØE	ØF	SW1
AS15	15	14.5	43	2"BSP	719±10	60	101	220	60	77	70
AS20	20	18.2	48	2"BSP	879±10	60	101	220	60	77	70
AS25	25	23.5	59	2"BSP	1044±15	60	101	220	60	77	70
AS35	35	33.5	78	2"BSP	1393±15	60	101	220	60	77	70
AS55	55	50	108	2"BSP	1904±15	60	101	220	60	77	70

How to ORDER

Example AS - 55 - P - 360 - C - A9 - V - 8 - CO - CO - PO

AS	-	55	-	P	-	360	-	C	-	A9	-	V	-	8	-	CO	-	CO	-	PO
Type		Volume		Bladder		Max		Shell		Fluid		Gas Valve		Cert		Fluid Port		Gas Port		Pre Charge
		55		Material		Pressure		material		port		V=5/8" UNF		8=PED97/		Carbon		Carbon		optional -
		Litres		Nitrile		360 bar		Carbon		2" BSP steel		V2=1/4" bsp in brass		23/EC		Steel		Steel		complete if pre-charge is required in bar

WAType

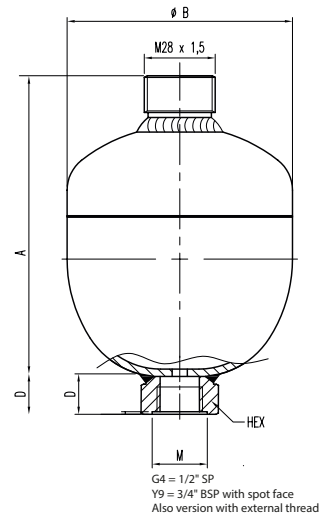
Accumulator with Welded Construction

TECHNICAL DATA

Operating pressure	max. 100/140/210/250/280/300/350 bar
Gas filling (nitrogen only)	max. 90% of min. operating pressure * <i>(see page 2)</i>
Admissible pressure ratio	See table below
Operating temperature	From -15 to +80°C
Mounting	In any orientation

STANDARD CONSTRUCTION CHARACTERISTICS

Material or body	Carbon steel
Diaphragm	NBR
Gas connection valve options	M28x1.5 (standard) or 5/8"UNF
Painting	Anti-rust primer
Test	On request
Liquid port connections	bsp version with additional external thread available on request



DIMENSIONS

Nom Vol	Effective Volume	Max Op Press	Max Pressure Ratio	Max dynamic ΔP	A	B	Weight	Standard Fluid Connection			
(l)	(l)	(bar)	(P2/P0)	P2-P1 (bar)	(mm)	(mm)	(kg)	$\emptyset$	M mm	D mm	Hex mm
0.05	0.07	210	6	120	85	55.5	0.5	1/4" bsp male	-	20	30
0.16	0.17	250	6	120	104	70	0.9	1/2" bsp	-	20	30
0.35	0.35	100	6	100	115	90	1	1/2" bsp	-	20	30
0.35	0.41	250	6	140	130	96	1.8	1/2" bsp	-	20	30
0.5	0.58	140	8	140	140	101	1.6	1/2" bsp	-	20	30
0.5	0.59	210	8	140	144	105	2.4	1/2" bsp	-	20	30
0.5	0.59	300	8	140	148	109	2.8	1/2" bsp	-	20	30
0.75	0.77	140	6	120	157	109	2	1/2" bsp	-	20	30
0.75	0.77	210	4	150	153	117	3.2	1/2" bsp	-	20	30
0.75	0.72	280	4	150	153	117	3.2	1/2" bsp	-	20	30
0.75	0.75	350	6	150	151	134	5.2	1/2" bsp	-	20	-
1	1	210	4	140	189	117	4	1/2" bsp	-	20	30
1	1.1	250	8	150	164	136	4.8	1/2" bsp	-	20	30
1.4	1.42	140	6	80	171	142	3.6	1/2" bsp	-	20	30
1.4	1.49	250	6	140	172	153	5.5	1/2" bsp	-	20	30
1.4	1.38	350	6	150	179	164	8.5	1/2" bsp	-	20	-
2	2	140	4	60	218	142	6	3/4"bsp with spot face	34	24	41
2	2.05	250	4	140	211	153	6.6	3/4"bsp with spot face	34	24	41
3	3.15	250	4	140	257	174	10.8	3/4"bsp with spot face	34	24	41
3.5	3.55	250	4	140	284	174	12.1	1/2" bsp	-	24	41
4	4	210	4	140	306	170	9.9	1/2" bsp	-	24	41

How to ORDER

Example: **WA - 2- 0.35 - 1 - 0 - G4 - A - 210 - P0 70 bar**

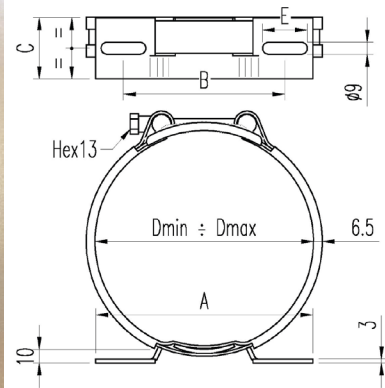
WA	-	2	-	0.35	-	1	-	0	-	G4	-	A	-	210	-	P0
Type		Gas valve		Volume		Diaphragm material		Shell material		Liquid inlet port		Tested		maximum pressure		Pre Charge
		1 = 5/8" UNF		0.35 Litres		Nitrile (NBR)		Carbon Steel		G4 = 1/2" BSP		A = Factory test PED 97/23/CE				optional - complete if pre-charge is required in bar
		2 = M28x1.5 (standard)								Y9 = 3/4" BSP						
		4 = sealed (special)								A2 = 1/4"bsp male						

COLLARS & BASES

Collars

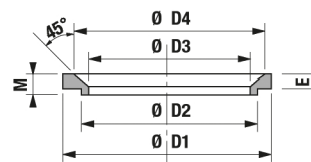
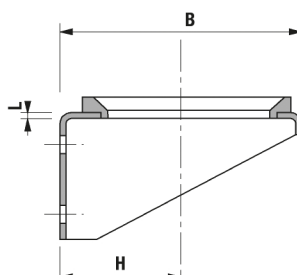
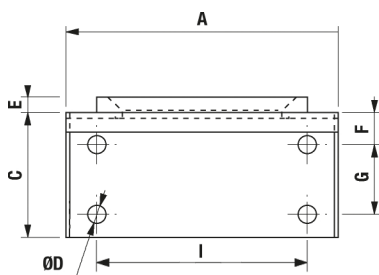
We recommend to use one single clamp when the accumulator length is less than the double of its diameter.

Otherwise we recommend to use two clamps with the additional option of a base- see below.



TYPE	Description						Weight	Example of applications			
	Dmin (mm)	Dmax (mm)	A (mm)	B (mm)	C (mm)	E (mm)	(kg)	WA	L/LAV	LA/LAS	AS
CF0Z72LF120	67	72	120	90	45	22	0.3	WA0.16			
CF0Z90LF120	85	90	120	90	45	22	0.3				
CF0Z90LF160			160	120	45	32	0.4				
CF0Z96LF120	91	96	120	90	45	22	0.3	WA0.35	LAV0.5		
CF0Z96LF160			160	120	45	32	0.4				
CF0Z102LF160	97	102	160	120	45	32	0.4	WA0.5/100-140	L/LAV0.35		
CF0Z111LF160	103	111	160	120	45	32	0.4	WA0.5/210 WA0.75-100/140			
CF0Z120LF160	112	120	160	120	45	32	0.4	WA0.75-210/300bar; WA1-210bar;	LAV0.75; LAV1.5; LAV2.5	LA/LAS0.75; LA/ LAS1; LA/LAS1.5; LA/LAS3	
CF0Z128LF160	121	128	160	120	45	32	0.4	WA0.75-250			
CF0Z137LF160	129	137	160	120	45	32	0.4	WA1-250			
CF0Z146LF160	138	146	160	120	45	32	0.4	WA1.4-100/140; WA2-140;			
CF0Z146LF210			210	170	50	32	0.5				
CF0Z159LF160	147	159	160	120	45	32	0.4	WA1.4-250; WA2-250			
CF0Z159LF210			210	170	50	32	0.5				
CF0Z172LF160	160	172	160	120	45	32	0.5	WA1.4-350		LA/LAL/LAS 4 to 12 litre	
CF0Z172LF210			210	170	50	32	0.5				
CF0Z224LF210	212	224	210	170	50	32	0.5				AS 15 to 55
CF0Z237LF210	225	237	210	170	50	32	0.5				

Bases



DIMENSIONS

Part No. Bracket	Part No. Ring	A	B	C	D	D1	D2	D3	D4	E	F	G	H	I	L	M	Weight kg
M 175	A 175	200	177	90	10	140	120	91	114	10	30	40	95	140	3	18	1.6
M 260	A 260	260	232	120	17	200	170	150	176	15	30	70	128	200	4	22	3.8

SAFETY BLOCKS

The BS range of safety blocks combines all the features necessary to protect, isolate and discharge a hydraulic accumulator. In four sizes, the BS10 and BS20 feature a 90° movement shut off valve that also simultaneously discharges the accumulator to tank, whilst in the larger BS25 and BS32 sizes the discharge is controlled by a separate flow control valve. Discharge can also be instigated by a solenoid valve. The safety blocks have DBDS CE certified pressure relief valves fitted as standard



TECHNICAL DATA

Max Pressure	420 bar
Nominal Internal Passage Diameter	10mm, 20mm, 25mm or 32mm
Working Temperature	-20 to +80°C <i>(consult MP for others)</i>
Viscosity Range	10 to 400 cSt
Max recommended Contamination Level	21/19/16
Shut off valve	ball type
Pressure Relief Valve	DBDS 10
Discharge Valve	manual or dual manual and electric
Mounting position	any
Block and valve material	carbon steel as standard
Seals	nitrile standard
Nominal flow rates to system ($\Delta P=1.5$ bar):	BS10= 40l/m, BS20=190l/m, BS25=240l/m and BS32=400l/m

Please note that with the BS10 and BS20, during discharge all three ports (P, A and T) are momentarily interconnected. Also note that the ball valves should be either fully open or fully closed and should not be used as flow control valves.

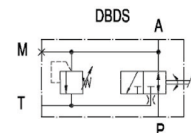
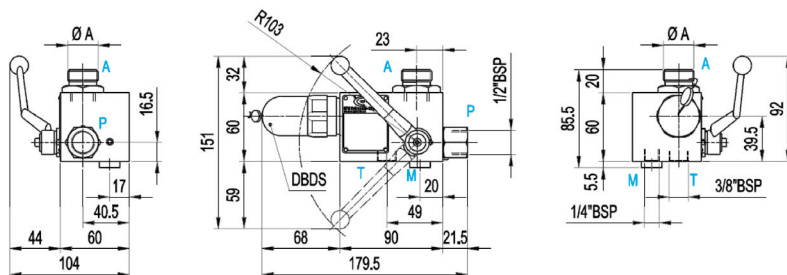
How to ORDER

Example: BS - 10 - M - P - 360 - A5 - G4 - C - P - 24D-C

BS	10	M	P	360	A5	G4	C	P	24DC
Safety Block	Size Internal Nominal Diameter mm	Discharge M = manual only E = manual and electric	Relief Valve P = DBDS CE certified	Relief Valve setting Please specify. Max 400 bar	Accumulator connection BS10: A5=3/4"bsp A7=1¼"bsp A9=2"bsp BS20: A7=1¼"bsp A9=2"bsp BS25: A7=1¼"bsp A9=2"bsp BS32: A7=1¼"bsp A9=2"bsp	System side connection BS10: G4=1/2"bsp BS20: G5=3/4"bsp BS25: G6=1"bsp BS32: G8=1½"bsp	Block Material C=carbon steel	Seal Material P=nitrile V=fluorocarbon E=EPDM	Solenoid 24D-C =24V DC n/c 24D-O =24V DC n/o 110D-C= 110VDC n/c 110D-O=110VDC n/o 220D-C= 220VDC n/c 220D-O=220VDC n/o 24A-C =24V AC n/c 24A-O =24V AC n/o 110A-C= 110VAC n/c 110A-O =110VAC n/o 220A-C= 220VAC n/c 220A-O =220VAC n/o

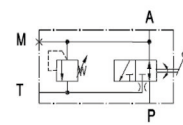
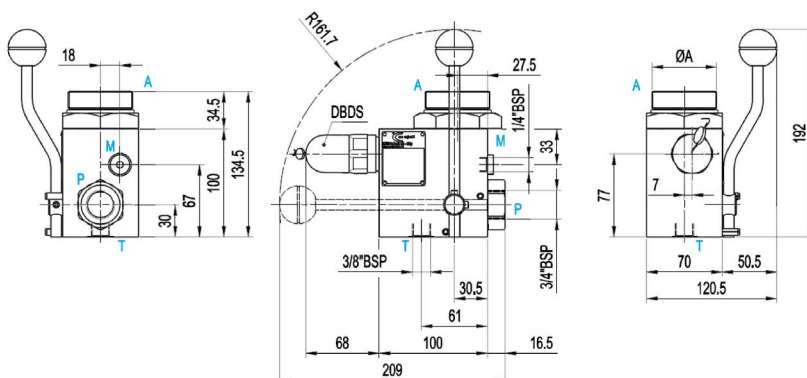
SAFETY BLOCKS

BS10MP..A.G.. - ...



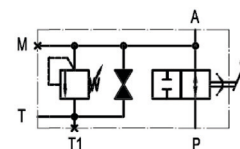
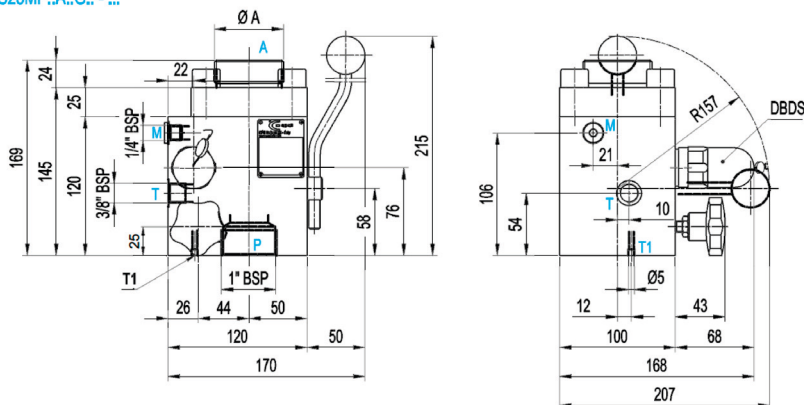
Order code	ØA	Weight
BS10MP...A5...	3/4" BSP	3.2
BS10MP...A7...	1" 1/4 BSP	3.4
BS10MP...A9...	2" BSP	3.5

BS20MP..A.G.. - ...



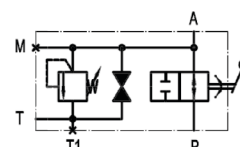
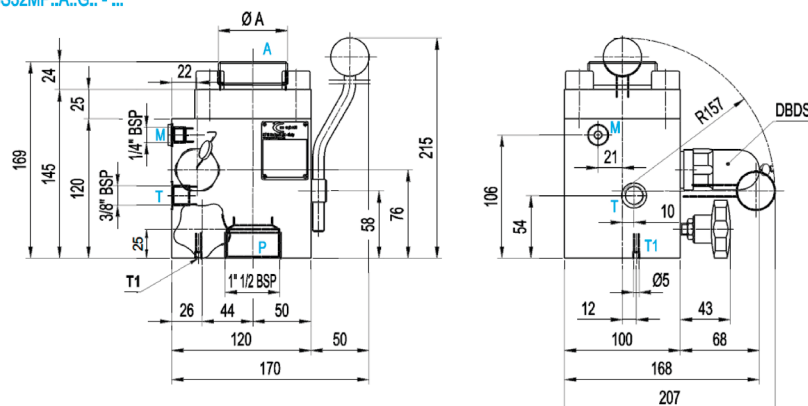
Order code	ØA	Weight
BS20MP...A7...	1" 1/4 BSP	6.1
BS20MP...A9...	2" BSP	6.7

BS25MP..A.G.. - ...



Order code	ØA	Weight
BS25MP...A7...	1" 1/4 BSP	12.7
BS25MP...A9...	2" BSP	12.9

BS32MP..A.G.. - ...



Order code	ØA	Weight
BS32MP...A7...	1" 1/4 BSP	12.7
BS32MP...A9...	2" BSP	12.9

Old to new part numbers accumulators and safety blocks April 2014

Old Part No	New Numbers 2014
L-1-0.1-1-O-R1-A	L-1-0.1-1-O-G4-A
L-1-0.35-1-O-R1-A	L-1-0.35-1-O-G4-A
LA-1-0.75-1-O-R1-A	LA-1-0.75-1-O-G4-A
LA-1-1-1-O-R1-A	LA-1-1-1-O-G4-A
LA-1-1.5-1-O-R1-A	LA-1-1.5-1-O-G4-A
LA-1-3-1-O-S-A	LA-1-3-1-O-G5-A
LA-1-4-1-O-S-A	LALS-1-4-1-O-G5-A
LA-1-5-1-O-S-A	LALS-1-6-1-O-G5-A
LA-1-10-1-O-S-A	LA-1-10-1-O-G7-A
LA-1-12-1-O-S-A	LA-1-12-1-O-G7-A
LA-1-1.5-1-X-R1-A	LA-1-1.5-1-X-G4-A
LAV-1-0.1-1-O-S-A	LAV-1-0.1-1-O-M8-A
LAS-1-0.75-1-O-R1-A	LAS-1-0.75-1-O-G4-A
LAS-1-1-1-O-R1-A	LAS-1-1-1-O-G4-A
LAS-1-1.5-1-O-R1-A	LAS-1-1.5-1-O-G4-A
LAS-1-3-1-O-S-A	LAS-1-3-1-O-G5-A
LAS-1-4-1-O-S-A	LAS-1-4-1-O-G5-A
LAS-1-5-1-O-S-A	LAS-1-5-1-O-G5-A
LAS-1-10-1-O-S-A	LAS-1-10-1-O-G7-A
LAS-1-12-1-O-S-A	LAS-1-12-1-O-G7-A
LASS-1-0.75-1-O-R1-A	LASS-1-0.75-1-O-G4-A
LASS-1-1-1-O-R1-A	LASS-1-1-1-O-G4-A
LASS-1-1.5-1-O-R1-A	LASS-1-1.5-1-O-G4-A
LASS-1-3-1-O-S-A	LASS-1-3-1-O-G5-A
LASS-1-4-1-O-S-A	LASS-1-4-1-O-G5-A
LASS-1-5-1-O-S-A	LASS-1-5-1-O-G5-A
AS-15-P-360-C-G-8	AS-15-P-360-C-A9-V-8-C0-C0
AS-20-P-360-C-G-8	AS-20-P-360-C-A9-V-8-C0-C0
AS-25-P-360-C-G-8	AS-25-P-360-C-A9-V-8-C0-C0
AS-35-P-360-C-G-8	AS-35-P-360-C-A9-V-8-C0-C0
AS-55-P-360-C-G-8	AS-55-P-360-C-A9-V-8-C0-C0
WA-2-0.05-1-O-R1-A	WA-2-0.05-1-O-G4-A-210
WA-2-0.16-1-O-R1-A	WA-2-0.16-1-O-G4-A-250
WAL-2-0.35-1-O-R1-A	WA-2-0.35-1-O-G4-A-100
WA-2-0.35-1-O-R1-A	WA-2-0.35-1-O-G4-A-250
WA-2-0.5-1-O-R11-A	WA-2-0.5-1-O-E1-A-210
WA-2-0.5-1-O-R1-A	WA-2-0.5-1-O-G4-A-210

Old Part No	New Numbers 2014
WA-2-0.75-1-O-R11-A	WA-2-0.75-1-O-E1-A-250
WA-2-0.75-1-O-R1-A	WA-2-0.75-1-O-G4-A-250
WA-2-0.75-8-O-R11-A	WA-2-0.75-8-O-E1-A-250
WA-2-1-1-O-R1-A	WA-2-1-1-O-G4-A-210
WA-2-1-1-O-R11-A	WA-2-1-1-O-E1-A-210
WA-2-1.4-1-O-R11-A	WA-2-1.4-1-O-E1-A-250
WA-S-1.4-1-O-R1-A	WA-4-1.4-1-O-G4-A-250
WA-2-1.4-1-O-R1-A	WA-2-1.4-1-O-G4-A-250
WA-2-1.4-1-O-R1-A (350 bar)	WA-2-1.4-1-O-G4-A-350
WA-2-2-1-O-R3-A	WA-2-2-1-O-Y9-A-250
WA-2-2.8-1-O-R3-A	WA-2-3-1-O-Y9-A-250
WA-2-2-1-O-R1-A	WA-2-2-1-O-G4-A-250
WAL-S-0.35-1-O-R1-A	WA-4-0.35-1-O-G4-A-100
WA-S-0.5-1-O-R1-A	WA-4-0.5-1-O-G4-A-210
WAL-1-0.35-1-O-R1-A	WA-1-0.35-1-O-G4-A-100
WA-S-0.75-1-O-R1-A	WA-4-0.75-1-O-G4-A-250
WA-S-1.4-1-O-R1-A	WA-4-1.4-1-O-G4-A-250
WAS-0.35-1-O-R1-A	WA-4-0.35-1-O-G4-A-250
B10MPxxxG1RP	BS10MPXXXA7G4CP
B10MPxxxGRP	BS10MPXXXA9G4CP
B10MPxxxG3RP	BS10MPXXXA5G4CP
B10EPxxxG1RP	BS10EPXXXA7G4CP***
B10EPxxxGRP	BS10EPXXXA9G4CP***
B10EPxxxG3RP	BS10EPXXXA5G4CP***
B20MPxxxGRP	BS20MPXXXA9G5CP
B20MPxxxG1RP	BS20MPXXXA7G5CP
B20EPxxxGRP	BS20EPXXXA9G5CP***
B20EPxxxG1RP	BS20EPXXXA7G5CP***
BS25MPxxxGRP	BS25MPXXXA9G6CP
BS25MPxxxG1RP	BS25MPXXXA7G6CP
BS25EPxxxGRP	BS25EPXXXA9G6CP***
BS25EPxxxG1RP	BS25EPXXXA7G6CP***
BS32MPxxxGRP	BS32MPXXXA9G8CP
BS32MPxxxG1RP	BS32MPXXXA7G8CP
BS32EPxxxGRP	BS32EPXXXA9G8CP***
BS32EPxxxG1RP	BS32EPXXXA7G8CP***

Accessories

GAS FILLING AND CHECKING APPARATUS (CHARGING KIT)

Part Number	DP200	DP100
Max pressure	360 bar	360 bar
Accumulator		
Gas valve	5/8" UNF	M28 x 1.5
Bottle fitting	W 5/8" ext.	W 5/8" ext.
Pressure gauge	63 mm. 1/4" BSP: 2 1/2, 5, 6, 10, 12, 16, 25, 40, 60, 100, 160, 250 or 400 bar (250 bar supplied, unless specified)	63 mm. 1/4" BSP: 2 1/2, 5, 6, 10, 12, 16, 25, 40, 60, 100, 160, 250 or 400 bar (250 bar supplied, unless specified)
Weight	2 kg	2 kg
Hose length	3 m	3 m

GAS VALVES

Part Number	Description
VALPRE580NV1	Standard
VALPRE58X	Stainless Steel (Inox) version

For AS range gas valves please consult MP Filtri UK.

SEPARATING ELEMENTS

(The membrane inside the accumulator which separates the gas from the liquid): for spare bladders and diaphragms please consult MP Filtri UK.

CERTIFICATION

The standard product is supplied factory tested, and CE marked for product larger than 1 litre (PED97/23/EC). For other certifications please consult MP Filtri UK.

OTHER TYPES / OPTIONS

For other types of accumulators not included in this brochure, please consult MP Filtri UK. Options include different body and barrier materials, and larger/smaller volume accumulators.

PISTON ACCUMULATORS

PAM TYPE

Pressure	250, 350 or 415 bar, or bespoke to customer requirement
Volume	0.4 to 80 litre range
Materials	Carbon steel or stainless steel AISI 316L
Gasket	NBR plus polyamide
Gas connection	5/8"UNF
Standard design	Piston Speed 0.5 m/s (special designs on request)

Piston accumulators are application based. We will be happy to offer solutions to specific customer requirements. Please contact MP Filtri UK.



**Piston
accumulators**



MPFILTRI®
Ltd.



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