



Accumulator Accessories

For Piston, Bladder and Diaphragm Accumulators, and Gas Bottles



ENGINEERING YOUR SUCCESS.



Charging and Gauging Assembly consists of 10' charging hose with standard right-hand thread nitrogen fittings (CGA580), adapter incorporating gas valve, bleeder valve pressure gauge, gas valve extension and gas chuck. Assemblies are packed in a plastic storage case.

Find out more and where to buy at
www.parker.com/cylinder-accumulator

Gauges

Gauges are 2½" dial type pressure gauges with 100 PSI graduation. Include blowout safety case and orifice surge damper.

Part Number	Pressure Range
0870403000	0 - 3000 PSI
0870406000	0 - 6000 PSI

Assemblies Packed in Carrying Case

3000 PSI Charging & Gauging Assemblies (with 3000 PSI Gauge)			
Part Number	Piston Style	Bladder Style	Diaphragm Style
CG-3000A	All	All	with Cored valve
CG-M28 x 1.5	—	—	with M28 valve
6000 PSI Charging & Gauging Assembly			
CG-6000*	All	All	—

* CG-6000 is equipped with left hand thread nitrogen fitting (CGA-677)

In line with our policy of continuing product improvement, specifications and information contained in this catalog are subject to change.

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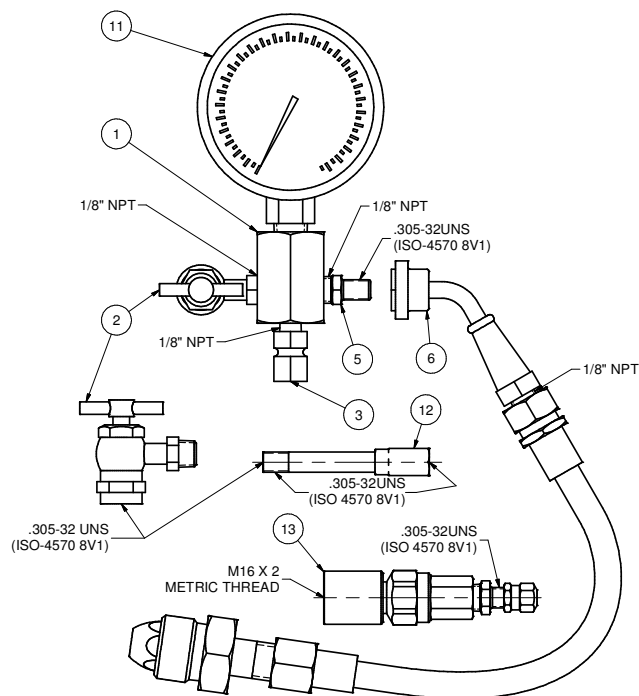


3000 PSI Piston and Bladder Accumulators, Diaphragms with Cored Valve

The following assemblies and parts are recommended for use on all 3000 PSI Piston Accumulators and 3000 PSI Bottom Repairable Bladder Accumulators. Can be used with 3000 PSI Top Repairable Accumulators, but require a Gas Valve Extension.

NOTES: Can be used on all accumulators with a gas precharge less than 3000 PSI. Consult factory for further information.

These assemblies are not recommended for continuous monitoring of gas precharge. For continuous monitoring, see Gauging Adapters.



Item	Part Number	Description
1-13	CG-3000A	Standard Assembly RH Connection with 3000 PSI Gauge
1-5	0851220000	Gauging Assembly, No Hose or Gauge
6-10	1457810000	Hose Assembly with RH Connection
1	5420910000	Adapter Cross
2	5420920000	Gas Valve with 1/8" NPT
3	0832140000	Bleeder Valve
5*	8708150000	Gas Chuck
6**	5420860000	Hose Coupling with Female Thread Connection
7	0870520000	Charging Hose
9	6661250000	Nitrogen Bottle Nut with RH Connection (CGA 580)
10	6661240000	Nitrogen Bottle Nipple
11	0870403000	2.5" Pressure Gauge 1/4" NPT
12	T-CG-3015	Valve extension
13	8743680000	EMA-3 Adapter, Schrader to EMA-3
	1333290000	Case with Insert for Complete Charging and Gauging Assembly
*	5824390000	Gasket for 8708150000 (5)
**	8702770000	Gasket for 5420860000 (6)

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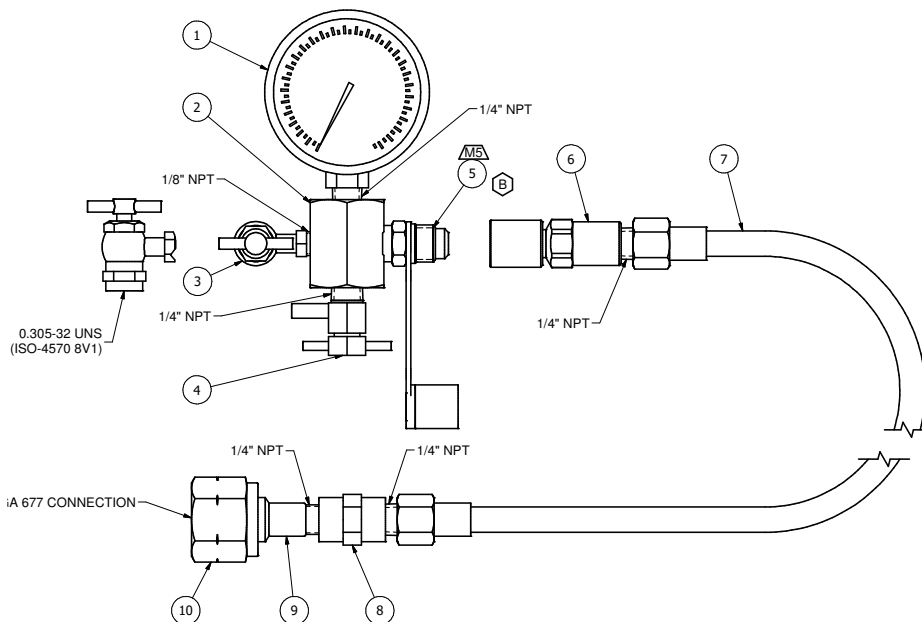


6000 PSI Piston and Bladder Accumulators

The following assemblies and parts are recommended for use on all 5000 PSI Piston Accumulators and all 5000 PSI Bladder Accumulators.

NOTES: Can be used on all accumulators with a gas precharge less than 5000 PSI. Consult factory for further information.

These assemblies are not recommended for continuous monitoring of gas precharge. For continuous monitoring, see Gauging Adapters.



Item	Part Number	Description
1-10	CG-6000	Standard assembly with left hand (LH) connection
6-10	N/A	Hose Assembly With CGA 677 (LH) Connection
1	870406000	Gauge 6000 PSI
2	8739280000	C&G Manifold Body
3	8708150000	Gas Chuck
4	8720740000	Bleed Valve
5	8738800000	EMA-3 Test Point
6	MAVMD1/4NPT-MA3	EMA-3 Adapter
7	8742180010	C&G Hose
8	1/4 GG-S	Adaptor Coupling
9	0854250000	Gas Tank Nipple
10	0854220000	Gas Tank Nut, CGA 677 (LH) Connection

**PROP 65 WARNING**

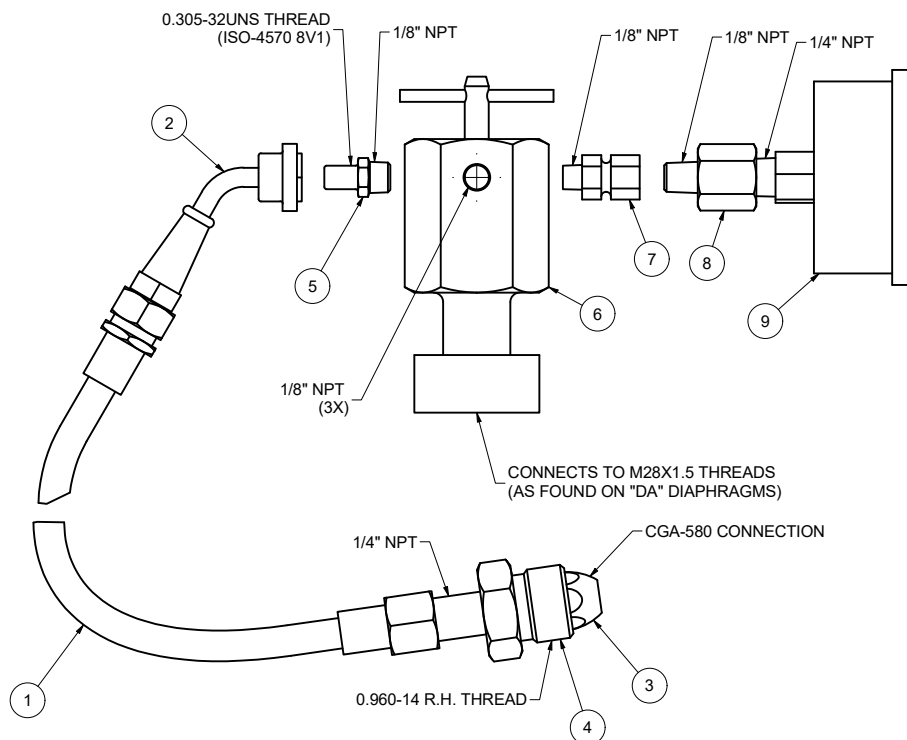
WARNING: This product can expose you to chemicals including Lead and Lead Compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Diaphragm with M28 Gas Valve

The following assemblies and parts are recommended for use on all Diaphragm Accumulators with M28 Gas Valve.

NOTES: Can be used on all diaphragm accumulators with a gas precharge less than 3000 PSI. Consult factory for further information.

These assemblies are not recommended for continuous monitoring of gas precharge. For continuous monitoring, see Gauging Adapters.



Item	Part Number	Description
1-10	CG-M28x1.5	Standard assembly RH connection with 3000 PSI gauge
5-8	8702780000	Gauging assembly (no hose or gauge)
1-5	1457810000	Hose assembly with right hand connection
1	0870520000	Charging hose
2*	5420860000	Swivel connector with female thread connection
3	6661240000	Nitrogen bottle nipple
4	6661250000	Nitrogen bottle nut with (CGA 580) RH connection
5	5420920000	Gas valve with 1/8" NPT
6	1480240000	C&G manifold diaphragm
7	0832140000	Bleeder valve
8	0873930000	Reducer -1/4x1/8
9	0871073000	Gauge, 3000,CBM,1/4" NPT, diaphragm
	1353290000	Case with insert for complete charging and gauging assembly
*	8702770000	Gasket for 5420860000

**PROP 65 WARNING**

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Gauging Assemblies

Gauging Assembly consists of adapter incorporating gas valve, bleeder valve and gas chuck (less gauge).

3000 PSI			
Part Number (Assembly only)	Piston Styles	Bladder Styles	Diaphragm Styles
0851220000	All	All	w/Cored valve



0851220000

Gauging Adapters (Fixed Mount)

For continuous monitoring of gas recharge. Order gauge separately.

Part Number	Description
0850570000	For 1 Gal. and bottom repairable bladder and all piston accumulators (3000 - 5000 PSI)



0850570000

Repair Tools & Adapters**Accumulator Repair Tools****1. Bladder Pull Rods** — (Bladder Type Accumulator)

Pull rods are available in different lengths for different size accumulators. The pull rods attach to the gas valve of the bladder for ease of assembly into shell during reassembly.

2. Core Tools — The core tool is used to remove and reinstall the valve core. It is also used to ream valve seat and repair threads. The core installation tool is only used to install & remove the core.

3. Spanner Wrench — Fits all standard size bladder accumulators. Used to remove hydraulic poppet assembly from accumulator shell.



Description	Part No
Pull Rod (1 Qt. - 2 ½ Gal.)	0851090250
Pull Rod (5 Gal.)	0851090500
Pull Rod (10-11 Gal.)	0851091000
Pull Rod (15 Gal.)	0851091500
Core Repair Tool	5824410000
Core Installation Tool	300987
Spanner Wrench	0851100000

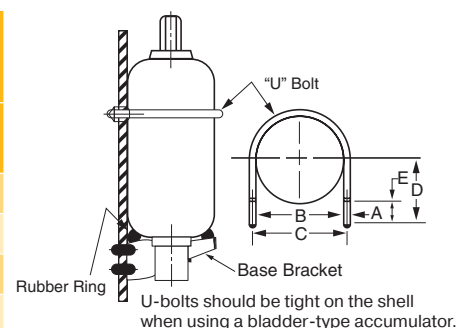
“U” Bolts for Piston & Bladder-Type Accumulators

Bladder-Type Accumulator

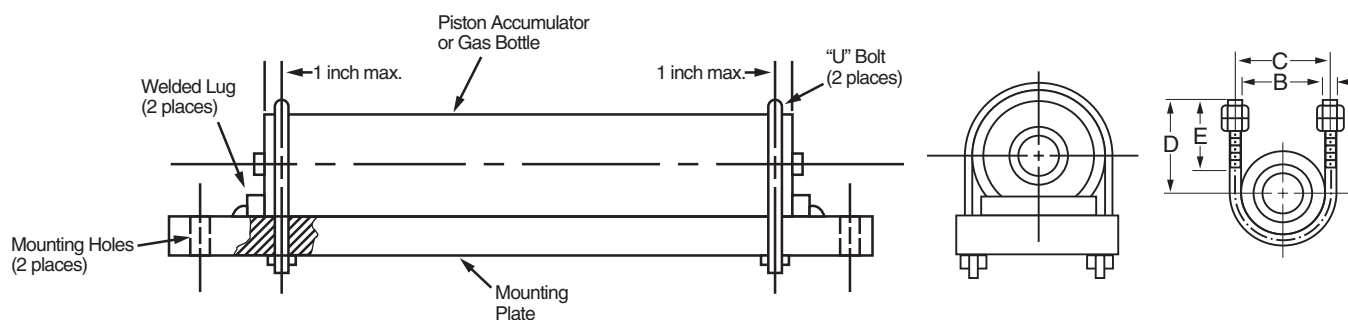
Bladder-type accumulators should be mounted vertically with the hydraulic port down.

Accumulator Models (2000 / 3000 PSI)		Part No. and Dimensions							
Piston Bore	Bladder Size	“U” Bolt Part No.	A in.	B in.	C in.	D in.	E in.	Thd.	Wt. Lbs.
A2	—	0854370000	0.250	2.438	2.688	2.688	1.750	1/4-20	0.20
A3	1 Pint	0862090000	0.500	3.688	4.063	3.625	2.000	3/8-16	0.90
—	1 Quart	0854380000	0.500	4.625	5.125	4.500	3.000	1/2-13	1.20
A4	—	0864960000	0.500	5.000	5.500	4.500	3.000	1/2-13	1.30
—	1 Gallon	0854390000	0.625	6.750	7.375	6.125	3.750	5/8-11	2.40
A6	—	0864970000	0.625	7.125	7.750	6.125	3.750	5/8-11	2.50
A7	—	0854400000	0.625	8.250	8.875	7.000	3.750	5/8-11	3.00
—	2.5 to 15 (3K)	0853360000	0.625	9.000	9.625	7.125	3.750	5/8-11	3.00
A9	—	0854410000	0.750	11.250	12.000	9.500	4.500	3/4-10	6.00
A12 (2K)	—	0854420000	0.875	14.125	15.000	10.250	4.250	7/8-9	8.20
—	2.5 to 15 (5K)	0865020000	0.625	9.750	10.375	7.250	3.750	5/8-11	3.50
A12 (3K)	—	0865610000	0.875	14.500	15.375	10.625	4.250	7/8-9	8.30

Hex nuts (4 each) included with all U-bolts

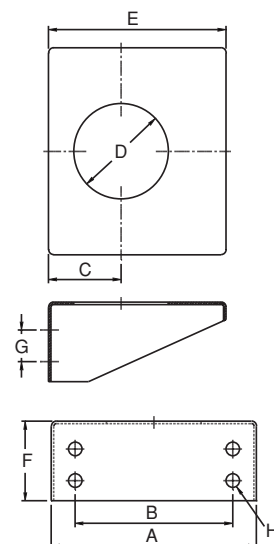


CAUTION: Bladder-type accumulators should never be mounted more than 25° angle from the vertical with hydraulic port on the bottom.



Base Bracket Assembly for Bladder Accumulators

Accumulator Models	Part Number and Dimensions									
Bladder Size	Base Bracket Assembly Part No. (included rubber rings)	A in.	B in.	C in.	D in.	E in.	F in.	G in.	H in.	Wt. Lbs.
1 Gal. (3K)	144910000	10.255	7.875	3.940	4.755	8.750	3.890	1.495	0.690 x .877 (4x SLOTTED)	5.000
2½ - 15 Gal. (3K)	1448720000	10.255	7.875	4.832	6.695	8.875	3.930	1.575	0.670 (4x)	5.000
2½ - 15 Gal. (5K)	1481410000	10.255	7.875	5.350	6.695	9.000	3.930	1.575	0.750 (4x)	5.000



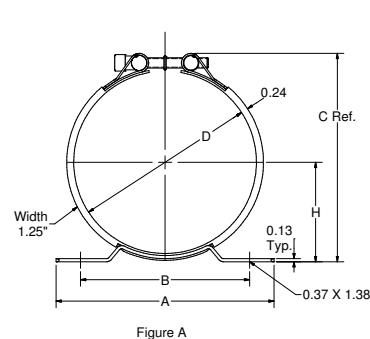
Clamp Brackets for Bladder-Type Accumulators

Figure A



Figure A

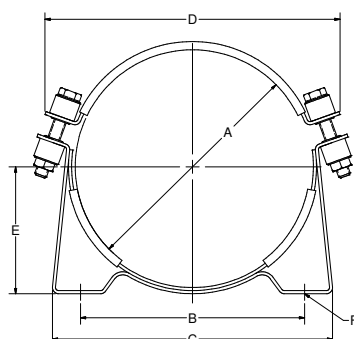


Figure B

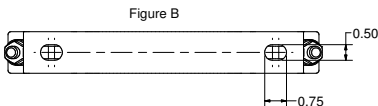
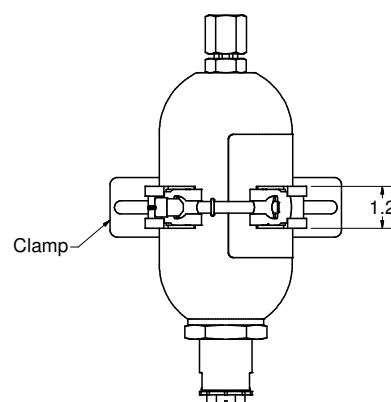


Figure B



Bladder Size	Clamp Part No.	Dimensions					
		A in.	B in.	C in.	D in.	H in.	Wt. Lbs.
1 Qt., 150 C.I. (Figure A)	202.510-03648	4.65	4.49	6.10	7.95	3.25	0.77
1 Gal. (Figure A)	202.513-03648	6.73	6.42	8.27	7.91	3.70	1.21
2½ - 15 Gal. (3K) (Figure B)	202.515-03648	8.68	8.50	10.63	9.57	4.75	3.09
2½ - 15 Gal. (5K) (Figure B)	1349200000	10.40	8.50	13.00	9.63	5.25	4.50

Clamp Brackets for Series 4000 & Series 5000 Piston Accumulators

Piston Bore Size	Series 4000 Part Number	Series 5000 Part Number
2"	8741840238	8741840252
3"	202.508-03648	202-059-03648
4"	202.511-03648	202.511-03648
6"	—	—
7"	N/A	—
9"	N/A	—

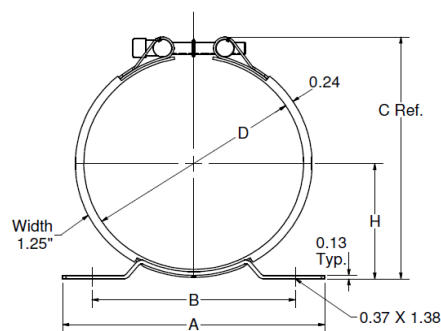
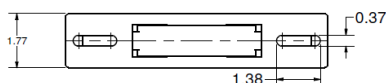
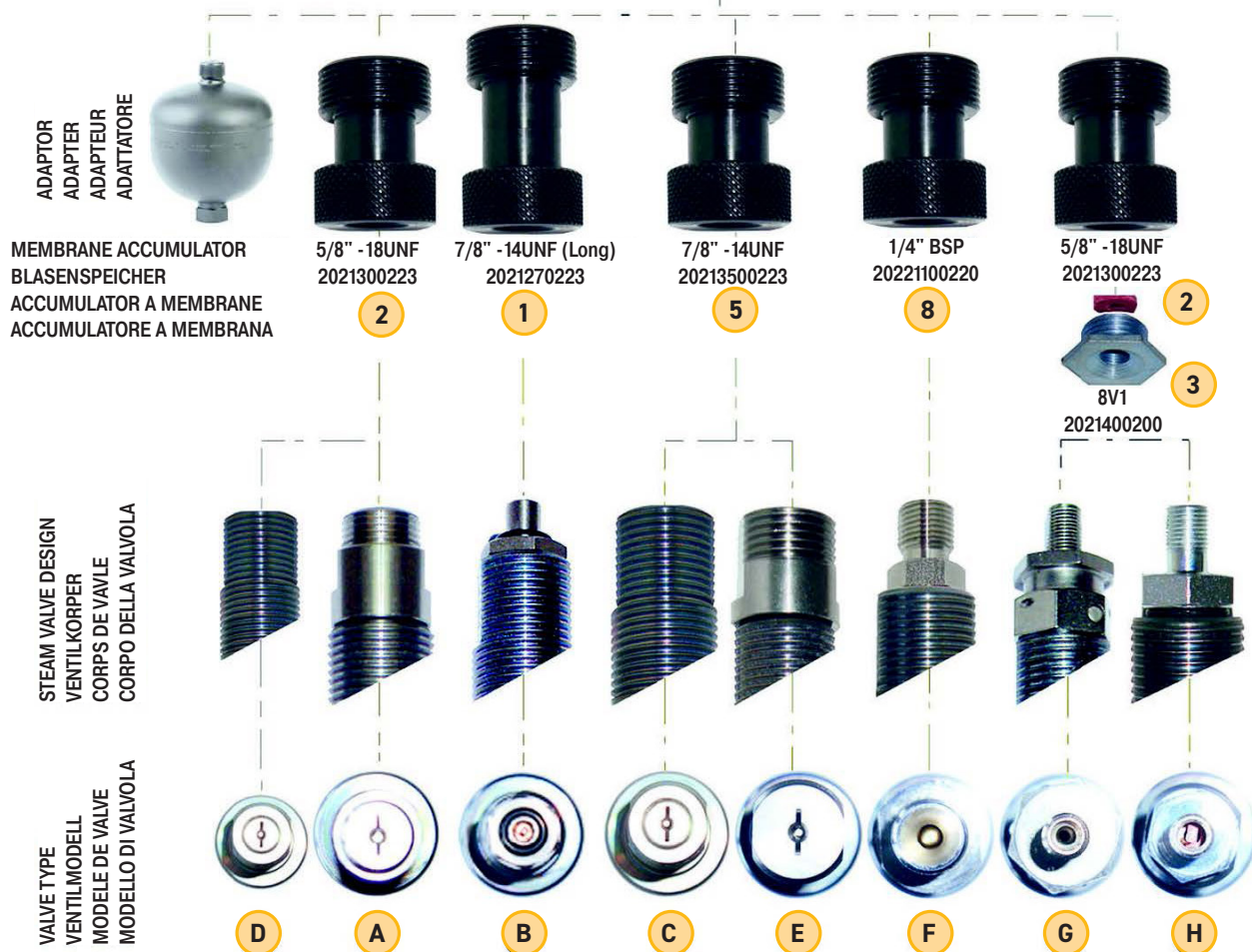
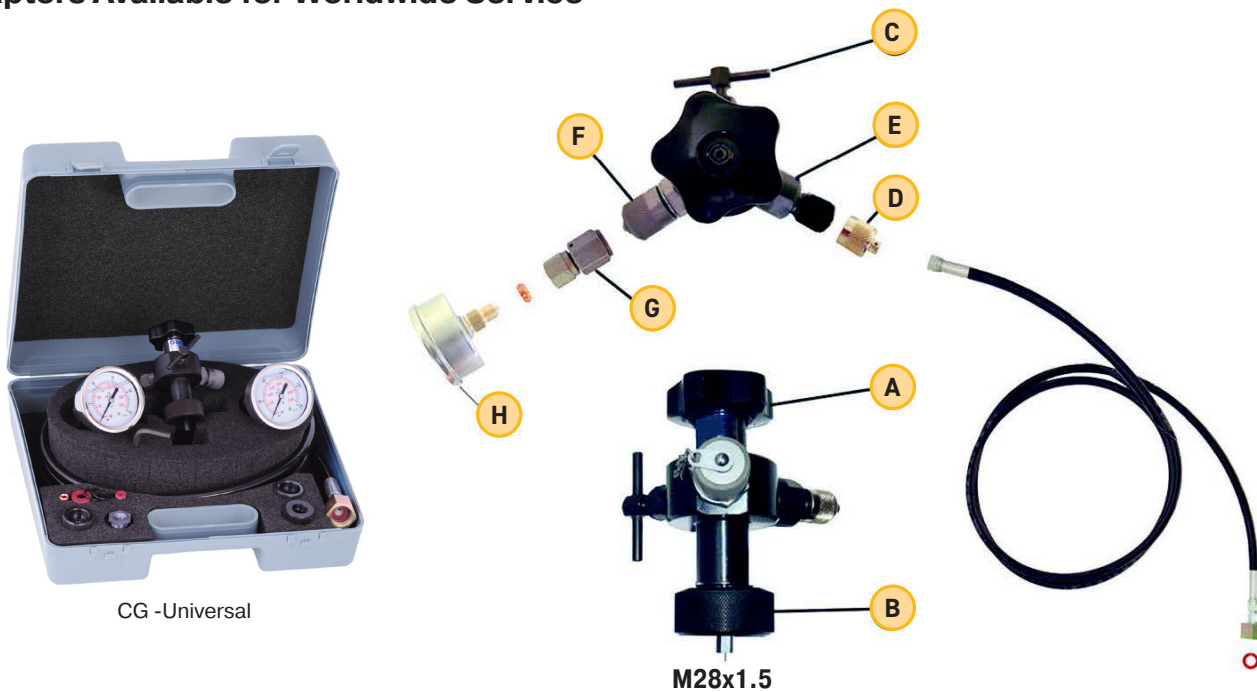
Clamp Brackets for Diaphragm and Small Piston and Bladder Accumulators

Figure A



Part Number	Dimensions					Accumulator Style/Size			
	A in.	B in.	C in.	D in.	H in.	Diaphragm liters/cu in	Piston Bore & Series / Pressure		Bladder liters/cu in
8741840238	4.72	3.66	3.34	2.24 / 2.44	1.51	—	2" / 3K	ACP05 / 4K	0.16 / 10
8741840252	6.14	4.65	3.46	2.44 / 2.64	1.55	AD007 / 5	2" / 4 & 5K	ACP05 / 5K	—
8741840291	6.14	4.65	3.96	2.87 / 3.11	1.77	AD016 / 10	—	—	—
202.508-03648	6.10	4.49	7.95	3.43 / 3.81	2.52	AD036 / 20	3" / 3 & 4K	ACP08 / 4K	0.50 / 30
202.509-03648	6.10	4.49	7.95	4.41 / 4.88	2.78	AD050 / 30	3" / 5K	—	—
202.510-03648	6.10	4.49	7.95	5.00 / 5.39	2.97	AD075 / 45	4" / 3K	ACP10 / 4K	1.0 & 3.0 / 60-150
8741840500	6.14	4.65	6.17	5.04 / 5.43	2.90	AD075 / 45	4" / 4K	—	—
202.511-03648	6.14	4.49	7.95	5.75 / 6.18	3.25	AD100 / 60	4" / 5K	—	—
201.512-03648	8.27	6.42	7.28	6.10 / 6.50	3.30	AD140 / 85 AD200 / 120	—	—	—
202.590-03648	8.27	6.42	7.69	6.10 / 6.50	3.52	—	—	—	—
202-513-03648	8.27	6.42	7.91	6.54 / 6.93	3.50	AD280 / 170	—	—	3.79 / 231

Adaptors Available for Worldwide Service

Catalog MSG10- 1801-M1

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6. LIMITATION OF LIABILITY. IN THE EVENT OF A BREACH OF WARRANTY, SELLER WILL, AT ITS OPTION, REPAIR OR REPLACE THE NON-CONFORMING PRODUCTS, RE-PERFORM THE SERVICES, OR REFUND THE PURCHASE PRICE PAID WITHIN A REASONABLE PERIOD OF TIME. IN NO EVENT IS SELLER LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING ANY LOSS OF REVENUE OR PROFITS, WHETHER BASED IN CONTRACT, TORT OR OTHER LEGAL THEORY. IN NO EVENT SHALL SELLER'S LIABILITY UNDER ANY CLAIM MADE BY BUYER EXCEED THE PURCHASE PRICE PAID FOR THE PRODUCTS.

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Bladder Accumulators

Piston, Bladder, Diaphragm Accumulators

damage to the Products from an external cause, repair or attempted repair by anyone other than Seller, failure to follow instructions, guides and specifications provided by Seller, use with goods not provided by Seller, or opening, modifying, deconstructing, tampering with or repackaging the Products; or (e) Buyer's failure to comply with these Terms, including any legal or administrative proceedings, collection efforts, or other actions arising from or relating to such failure to comply. Seller shall not indemnify Buyer under any circumstance except as otherwise provided in these Terms.

13. Cancellations and Changes. Buyer may not cancel or modify, including but not limited to movement of delivery dates for the Products, any order for any reason except with Seller's written consent and upon terms that will indemnify, defend and hold Seller harmless against all direct, incidental and consequential loss or damage and any additional expense. Seller, at any time, may change features, specifications, designs and availability of Products.

14. Assignment. Buyer may not assign its rights or obligations without the prior written consent of Seller.

15. Force Majeure. Seller is not liable for delay or failure to perform any of its obligations by reason of any events or circumstances beyond its reasonable control. Such circumstances include without limitation: accidents, labor disputes or stoppages, government acts or orders, acts of nature, pandemics, epidemics, other widespread illness, or public health emergency, cyber related disruptions, cyber-attacks, ransomware sabotage, delays or failures in delivery from carriers or suppliers, shortages of materials, sudden increases in the price of raw material or components, shutdowns or slowdowns affecting the supply of raw materials or components, or the transportation thereof, oil shortages or oil price increases, energy crisis, energy or fuel interruption, war (whether declared or not) or the serious threat of same, riots, rebellions, acts of terrorism, embargoes, fire or any reason whether similar to the foregoing or otherwise. Seller will resume performance as soon as practicable after the event of force majeure has been removed. All delivery dates affected by an event of force majeure shall be tolled for the duration of such event of force majeure and rescheduled for mutually agreed dates as soon as practicable after the event of force majeure ceases to exist. The right to allocate capacity is in the Seller's sole discretion. An event of force majeure shall not include financial distress, insolvency, bankruptcy, or other similar conditions affecting one of the parties, affiliates and/or sub-contractors. An event of force majeure in the meaning of these Terms means any circumstances beyond Seller's control that permanently or temporarily hinders performance, even where that circumstance was already foreseen. Buyer shall not be entitled to cancel any orders following its claim of an event of force majeure.

16. Waiver and Severability. Failure to enforce any provision of these Terms will not invalidate that provision; nor will any such failure prejudice either party's right to enforce that provision in the future. Invalidation of any provision of these Terms shall not invalidate any other provision herein and, the remaining provisions will remain in full force and effect.

17. Duration. Unless otherwise stated in the Quote, any agreement governed by or arising from these Terms shall: (a) be for an initial duration of one (1) year; and (b) shall automatically renew for successive one-year terms unless terminated by Buyer with at least 180-days written notice to Seller or if Seller terminates the agreement pursuant to Section 19 of these Terms.

18. Termination. Seller may, without liability to Buyer, terminate any agreement governed by or arising from these Terms for any reason and at any time by giving Buyer thirty (30) days prior written notice. Seller may immediately terminate, in writing, if Buyer: (a) breaches any provision of these Terms, (b) becomes or is deemed insolvent, (c) appoints or has appointed a trustee, receiver or custodian for all or any part of Buyer's property, (d) files a petition for relief in bankruptcy on its own behalf, or one is filed against Buyer by a third party, (e) makes an assignment for the benefit of creditors; or (f) dissolves its business or liquidates all or a majority of its assets.

19. Ownership of Rights. Buyer agrees that (a) Seller (and/or its affiliates) owns or is the valid licensee of Seller's IP and (b) the furnishing of information, related documents or other materials by Seller to Buyer does not grant or transfer any ownership interest or license in or to Seller's IP to Buyer, unless expressly agreed in writing. Without limiting the foregoing, Seller retains ownership of all Software supplied to Buyer. In no event shall Buyer obtain any greater right in and to the Software than a right in a license limited to the use thereof and subject to compliance with any other terms provided with the Software. Buyer further agrees that it will not, directly or through intermediaries, reverse engineer, decompile, or disassemble any Software (including firmware) comprising or contained within a Product, except and only to the extent that such activity may be expressly permitted, either by applicable law or, in the case of open source software, the applicable open source license.

20. Indemnity for Infringement of Intellectual Property Rights. Seller is not liable for infringement of any Intellectual Property Rights except as provided in this Section. Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on a third-party claim that one or more of the Products infringes the Intellectual Property Rights of a third party in the country of delivery of the Products by Seller to Buyer. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of any such claim, and Seller having sole control over the defense of the claim including all negotiations for settlement or compromise. If one or more Products is subject to such a claim, Seller may, at its sole expense and option, procure for Buyer the right to continue using the Products, replace or modify the Products to render them non-infringing, or offer to accept return of the Products and refund the purchase price less a reasonable allowance for depreciation. Seller has no obligation or liability for any claim of infringement: (i) arising from information provided by Buyer (including Seller's use of Buyer's Property); or (ii) directed to any Products for which the designs are specified in whole or part by Buyer; or (iii) resulting from the modification, combination or use in a system of any Products. The foregoing provisions of this Section constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for claims of infringement of Intellectual Property Rights.

21. Governing Law. These Terms, the terms of any Quote, and the sale and delivery of all Products are deemed to have taken place in, and shall be governed and construed in accordance with, the laws of the State of Ohio, as applicable to contracts executed and wholly performed therein and without regard to conflicts of laws principles. Buyer irrevocably agrees and consents to the exclusive jurisdiction and venue of the courts of Cuyahoga County, Ohio with respect to any dispute, controversy or claim arising out of or relating to the sale and delivery of the Products.

22. Entire Agreement. These Terms, along with the terms set forth in the Quote, forms the entire agreement between the Buyer and Seller and constitutes the final, complete and exclusive expression of the terms of sale and purchase. In the event of a conflict between any term set forth in the Quote and these Terms, the terms set forth in the Quote shall prevail. All prior or contemporaneous written or oral agreements or negotiations with respect to the subject matter shall have no effect. No modification to these Terms will be binding on Seller unless agreed to in a writing that is signed by an authorized representative of Seller, excluding email correspondence, "clickwrap" or other purported electronic assent to different or additional terms. Sections 2-25 of these Terms shall survive termination or cancellation of any agreement governed by or arising from these Terms.

23. No "Wrap" Agreements/No Authority to Bind. Seller's clicking any buttons or any similar action, such as clicking "I Agree" or "Confirm," to utilize Buyer's software or webpage for the placement of orders, is NOT an agreement to Buyer's Terms and Conditions. NO EMPLOYEE, AGENT OR REPRESENTATIVE OF SELLER HAS THE AUTHORITY TO BIND SELLER BY THE ACT OF CLICKING ANY BUTTON OR SIMILAR ACTION ON BUYER'S WEBSITE OR PORTAL.

24. Compliance with Laws. Buyer agrees to comply with all applicable laws, regulations, and industry and professional standards, including those of the United States of America, and the country or countries in which Buyer may operate, including without limitation the U.S. Foreign Corrupt Practices Act ("FCPA"), the U.S. Anti-Kickback Act ("Anti-Kickback Act"), U.S. and E.U. export control and sanctions laws ("Export Laws"), the U.S. Food Drug and Cosmetic Act ("FDCA"), and the rules and regulations promulgated by the U.S. Food and Drug Administration ("FDA"), each as currently amended. Buyer agrees to indemnify, defend, and hold harmless Seller from the consequences of any violation of such laws, regulations and standards by Buyer, its employees or agents. Buyer represents that it is familiar with all applicable provisions of the FCPA, the Anti-Kickback Act, Export Laws, the FDCA and the FDA and certifies that Buyer will adhere to the requirements thereof and not take any action that would make Seller violate such requirements. Buyer represents and agrees that Buyer will not make any payment or give anything of value, directly or indirectly, to any governmental official, foreign political party or official thereof, candidate for foreign political office, or commercial entity or person, for any improper purpose, including the purpose of influencing such person to purchase Products or otherwise benefit the business of Seller. Buyer further represents and agrees that it will not receive, use, service, transfer or ship any Products from Seller in a manner or for a purpose that violates Export Laws or would cause Seller to be in violation of Export Laws. Buyer agrees to promptly and reliably provide Seller all requested information or documents, including end-user statements and other written assurances, concerning Buyer's ongoing compliance with Export Law. 9/22



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