

Date: April 17, 2009

To: Whom It May Concern

From: Wayne Boyd

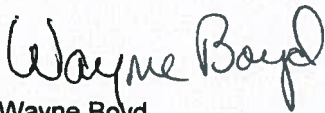
MESSAGE

This document is to certify that all products manufactured by Emco Wheaton Retail Corporation are compatible with biodiesel fuel blends up to and including B100.

This recommendation has evolved from years of product testing and in field experience. Emco is careful to use o-rings that meet the UL standard JMLU2. Other rubber and plastic components are used based on the manufacturer's recommendations and testing data.

Some UL approved products and other third party approvals include testing with alcohol blends, others do not. However it is important to note that all Emco Wheaton Retail Corp. products carry our standard warranty which includes the use of biodiesel fuels.

Sincerely,



Wayne Boyd
Director
Engineering & Quality

Automatic Nozzles

A2500/A250I

The Emco Wheaton A2500 Standard Nozzle is designed for use on industrial and retail fuel dispensing equipment. The lightweight aluminum construction combined with a durable vinyl cover make this one of the lightest standard nozzles available. The A250I Prepay is designed for use on pre-pay self-service dispensers and features a no-pressure no-flow safety device.

Options: The A2500/250I comes standard with 3/4" inlet and unleaded spout. To order nozzles with leaded spouts, attitude devices and splash guards, please add the codes listed below to the 8 digit model number.

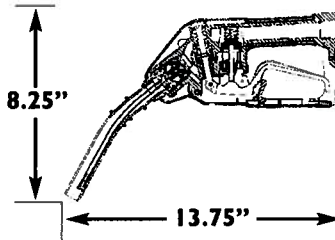
L = Leaded Spout, A = Attitude Device, S = Splash Guard, B = BSP Tapered Inlet, BP = BSP Parallel, F = Farm Pump

1" Inlet - replace the first digit of the three digit variant number with a 1

Example: A2500-163LS = Standard nozzle, red scuff guard, leaded spout, splash guard and 1" inlet



■ UL/ULC Listed MH1460



A2500/A250I Automatic Nozzle

Nozzle Unleaded Model No.	Prepay Unleaded Model No.	A2500/250I Scuff Kit Model No.	Splash Guard Model No.	Color
A2500-002	A2501-002	A0550-102K	A0500-002	Black
A2500-005	A2501-005	A0550-105K	A0500-005	Blue Chevron
A2500-058	A2501-058	A0550-158K	A0500-058	Blue Amoco
A2500-059	A2501-059	A0550-159K	A0500-059	White Chevron
A2500-060	A2501-060	A0550-160K	A0500-060	Red Mobil
A2500-061	A2501-061	A0550-161K	A0500-061	Blue Mobil
A2500-062	A2501-062	A0550-162K	A0500-062	Green BP Mobil
A2500-063	A2501-063	A0550-163K	A0500-063	Red Chevron Shell
A2500-064	A2501-064	A0550-164K	A0500-064	Yellow Shell

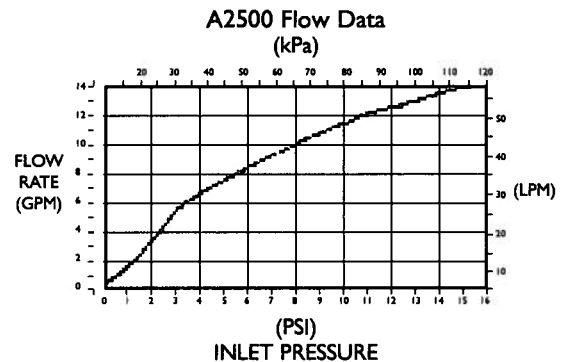
Weighs 2 lbs., 6 oz.

A2500/A250I Replacement Parts

Kit No.	Description
A0511-001	Spout Kit, Unleaded
A0511-002	Spout Kit, Leaded

Material

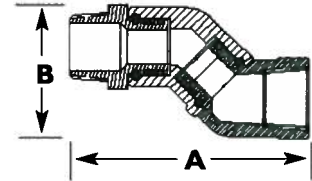
Body & Spout:	Aluminum
Lever & Lever Guard:	Aluminum & Thermoplastic
Seals:	Nitrile
Scuff Guard:	Vinyl



Swivels

A0360 Hose Swivel

The Emco Wheaton A0360 Hose Swivel features a polished die-cast aluminum body with chrome plated male fittings. The teflon® bushings permit the hose and nozzle to move smoothly and freely on any plane or axis. Viton® o-rings provide positive sealing and compatibility with all fuels. Fluorosilicone o-rings provide excellent low temperature performance. The outlet swivel rotates 360° at the nozzle inlet to keep the nozzle in a comfortable, upright position, and prevents hose kinking and wear. The A0360 is designed for non-vapor recovery applications and is available with .75" or 1.0" NPT or BSPP or BSPT threads.



■ UL Listed MH6036

Model No.	Hose Connection Size	Nozzle Connection Size	A	B	Weight
A0360-075	3/4" Female	3/4" Male	4.0	2.2	9 oz.
A0360-076	3/4" Female BSPT	3/4" Male BSPT	4.0	2.2	9 oz.
A0360-077	3/4" Female BSPP	3/4" Male BSPP	4.0	2.2	9 oz.
A0360-100	1" Female	1" Male	4.4	2.6	13 oz.
A0360-101	1" Female BSPT	1" Male BSPT	4.4	2.6	13 oz.
A0360-102	1" Female BSPP	1" Male BSPP	4.4	2.6	13 oz.

Material

Body: Aluminum
 Seal: Viton® & Fluorosilicone
 Connectors: Zinc & Brass

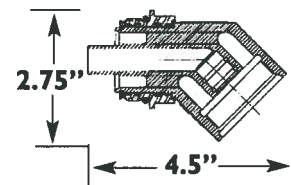
Viton® is a registered trademark of DuPont Dow Elastomers.

A4110-001 Coaxial Swivel

The Emco Wheaton UL listed A4110 Coaxial Swivel is expressly designed for use with balanced vapor recovery nozzles. These inlet swivels create a 45 degree angle with the coaxial hose. Weighs 1 lb.



Compatible with E85 Fuels.
 To order, place an E after the variant number.



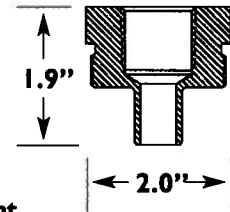
Material

Body: Cast Aluminum
 Snap ring: Plated Steel
 Swivel nut: Chrome Plated Brass

■ CARB Approval 92-14
 UL Listed MH6036
 ULC Listed CMH1165

563639 Adapter

The Emco Wheaton 563639 Adapter allows you to retrofit the dispenser for Balance Stage II before installing the nozzle and hose. The 563639 Adapter converts a coaxial outlet to a 3/4" NPT outlet, temporarily plugging the vapor path until you are ready to install the balanced vapor recovery nozzle and hose. Aluminum construction.



	Port Sizes	Weight
Coaxial	1 7/8"	13 oz.
Fuel Outlet	3/4"	13 oz.

Hose Assemblies

A002I Standard Hose Assemblies



- Couplings are internally expanded brass fittings with chrome plating
- Single-wire braid construction provides static conductivity and increases hose strength
- UL 330 listed
- Softwall hose assemblies also available
- Additional sizes available

3/4"

Model No.	Description
A002I-140	6" Whip Hose
A002I-145	8" Whip Hose
A002I-149	9" Whip Hose
A002I-155	12" Whip Hose
A002I-305	9' Curb Pump Hose
A002I-308	9.5' Curb Pump Hose
A002I-310	10' Curb Pump Hose
A002I-313	10.5' Curb Pump Hose
A002I-320	12' Curb Pump Hose
A002I-330	14' Curb Pump Hose
A002I-335	15' Curb Pump Hose
A002I-942	4M Curb Pump Hose
A002I-321	12' Curb Pump Hose, Swivel One End
A002I-331	14' Curb Pump Hose, Swivel One End

5/8"

Model No.	Description
A002I-100	6" Whip Hose
A002I-105	8" Whip Hose
A002I-110	10" Whip Hose
A002I-203	8.5' Curb Pump Hose
A002I-205	9' Curb Pump Hose
A002I-208	9.5' Curb Pump Hose
A002I-210	10' Curb Pump Hose
A002I-213	10.5' Curb Pump Hose
A002I-220	12' Curb Pump Hose
A002I-230	14' Curb Pump Hose
A002I-209	9.5' Curb Pump Hose, Swivel One End
A002I-211	10' Curb Pump Hose, Swivel One End
A002I-221	12' Curb Pump Hose, Swivel One End
A002I-231	14' Curb Pump Hose, Swivel One End

1"

Model No.	Description
A002I-170	6" Whip Hose
A002I-175	8" Whip Hose
A002I-177	9" Whip Hose
A002I-180	10" Whip Hose
A002I-185	12" Whip Hose
A002I-400	8' Curb Pump Hose
A002I-405	9' Curb Pump Hose
A002I-410	10' Curb Pump Hose
A002I-420	12' Curb Pump Hose
A002I-445	17' Curb Pump Hose
A002I-460	20' Curb Pump Hose
A002I-927	6' Curb Pump Hose

Safe Breaks®

STANDARD

3/4" A2119 Shear Pin Safe Break® A2219 Reconnectable Safe Break®

The Emco Wheaton A2119 Standard Safe Break® has an economical shear pin design with 3/4" connection for standard hose applications. The double poppets seal both hoses upon separation.

The Emco Wheaton A2219 Standard Safe Break® allows for immediate return to service after a drive-away, with no repair kit required. This is made possible by a unique, reconnectable design. The double poppets seal both hoses upon separation.

Model No.	Description	A	B	Weight
A2119-002	3/4" Shear Pin NPT	1.6"	4.2"	0.4 lbs.
A2119-003	3/4" Shear Pin BSPP	1.6"	4.2"	0.4 lbs.
A2219-002	3/4" Reconnectable NPT	2.0"	4.2"	0.7 lbs.
A2219-004	3/4" Reconnectable BSPP	2.0"	4.2"	0.7 lbs.

Material

Body: Aluminum

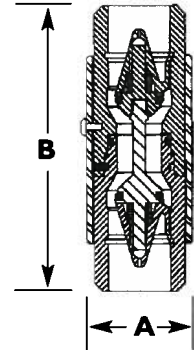
O-rings & Seals: Buna-N & Viton®

Protective Cover: Plastic

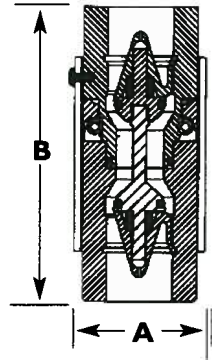
■ UL Listed MH17833
ATEX Certification (A2119, A2219-004)



Shear Pin



Reconnectable



Compatible with E85 Fuels.
To order, place an E after the variant number.

1" A3019 Shear Pin Safe Break® A3219 Reconnectable Safe Break®

The Emco Wheaton A3019 Standard Safe Break® incorporates all of the features of the A2119 shear pin design with a 1" standard hose connection.

The Emco Wheaton A3219 Standard Safe Break® with a 1" hose connection, includes the features of the A2219 Standard Safe Break®.

Model No.	Description	A	B	Weight
A3019-001	1" Shear Pin NPT	2.0"	6.3"	.95 lbs.
A3019-003	1" Shear Pin BSPP	2.0"	6.3"	.95 lbs.
A3219-001	1" Reconnectable NPT	2.0"	6.0"	.90 lbs.
A3219-003	1" Reconnectable BSPP	2.0"	6.0"	.90 lbs.

Material

Body: Aluminum

O-rings & Seals: Buna-N & Viton®

Protective Cover: Plastic

Viton® is a registered trademark of DuPont Dow Elastomers

■ UL Listed MH17833
ATEX Certification (A3019-003)

