SWIVELS
BRASS IS BEST

The M. Carder swivels are available in sizes to accommodate many fueling requirements. From service stations and truck stops to fuel oil delivery , terminals and off road fueling operations.

All M. Carder single plane swivels are machined from solid aluminum and brass bar stock. This provides the strongest, the **Best and the smoothest surface for the O rings to seal. NO LEAKS. The BRASS male end eliminates galling in aluminum nozzles casting**   which is a major problem with aluminum swivels adaptors.

M Carder Performance Advantages

- **Brass male end will not gall in nozzle castings**
- **Dual O rings seal with all fuels**
- **Machined Aluminum &Brass bar stock give smooth seal surface   NO LEAKS**
- **Internal nylon retainer cord secures firmly but allows for free rotation**

Swivel Specifications

Inlet: NPT or BSPP
seals: Viton O rings *
Working pressure: 50 PSI max

 *Cold Climate Seals available
-

For use with gasoline
10% ethanol blend
diesel fuel

Construction Specifications

Body: Machined from solid brass
& aluminum bar stock
Retainer: Nylon cord

Shipping and packing
The swivels are individually boxed
and packed 20 to 50 per
master carton.

MEMBER
PEI
PETROLEUM EQUIPMENT INSTITUTE

M. CARDER
m. Carder Industries, Inc.   *1634 Manufacturers Drive*   *Fenton, Missouri 63026*
636-343-8770   Toll Free: 888-814-0094   Fax: 636-343-8805   www.mcarder.com
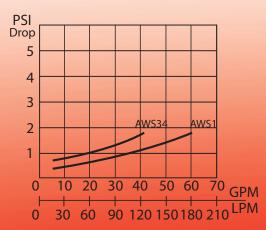
Made in USA

HOSE SWIVELS

Model	Size	Weight	Length	Diameter
AWS34	3/ 4 "	.33lbs	2.25"	1.25"
AWS1	1 "	.44lbs	2.5"	1.625"
AWS14	1 ¼"	1.1lbs	3.275"	2"
AWS1415	1 ¼"F x 1 ½"M	1.2lbs	3.275"	2.5"
AWS15	1 ½"	1.2lbs	3.45"	2.5"
AWS2	2"	1.5lbs	3.9"	3 "
AWSCL15	1 ½" Camlock	1.2lbs	3.50	2.1"

PUMP-CABINET SWIVELS

AWSP349	¾" 90	.33	2.25"	1.5"
AWSP1349	1"Mx3/4"F 90	.36	2.5"	1.625"
AWSP119	1" 90	.36	2.5"	1.625"
AWSP11	1" 45	.36	2.5 "	1.625"
AWSP134	1" M x ¾"F 45	.36	2.5"	1.625"
AWSP34	¾" 45	.36	2.5"	1.625"

PSI Drop
5
4
3
2 AWS34   AWS1
1
0 10 20 30 40 50 60 70 GPM
0 30 60 90 120 150 180 210 LPM

PSI Drop
5
4
3
2 AWS14
1 AWS15
   AWS2
0 10 20 30 40 50 60 70 80 90 GPM
0 30 60 90 120 150 180 210 240 270 LPM

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