SAE 45° FLARE 90° SWIVEL ELBOW



** Referential image*
*** Some features may vary without prior notice. Sale subject to inventory availability*

DATE
: 11/23/2026 11:45 PM

SKU
: 22138

BRAND
: DIXON VALVE

MODEL
: 166FSV-8-8

Use:
Manufactured especially for hard-to-hold liquids and gases
Use with copper, brass, aluminum and welded steel hydraulic tubing that can be flared

Specifications:
Listed with Underwriter's Laboratories for flammable liquid, marine, refrigeration and gas applications. Meets functional requirements of SAE J512 and J513, ASA and MS (Military Standards).

Features:
Economical fitting resists mechanical pullout
Easy to disassemble and may be reassembled repeatedly, for a leak-proof connection

Construction:
Manufactured from CA 360, CA 345 or CA377 brass

Installation
Cut tubing squarely and clean tube end thoroughly to remove burrs.
Place nut onto tube. Place threaded end of nut toward end of tube.
Flare tube end with flaring tool to provide 45° flare.
Clamp tube flare between nut and nose of fitting body by screwing nut on finger-tight. Tighten with a wrench an additional 1/4 turn for metal-to-metal seal.

Note:
Flare tools are available, please contact Dixon for pricing and availability.

Safety notes:
The PSI rating given is based on a temperature of 73°F (23°C) using copper

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tubing.

Temperature and type of tubing used are important factors in working pressure ranges.

WARNING: Cancer and Reproductive Harm- www.P65Warnings.ca.gov

TECHNICAL SPECIFICATIONS

Factory Part Number	166FSV-8-8
Material	Brass
Temperature Range	-65°F to 250°F (-54°C to 121°C)
Thread	Straight
Thread Size	3/4"-16
Tube Size	1/2"
Weight Lb	0.1700
Working Pressure	750 PSI

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