

TOMCO Universal Safety Coupler

1/4" BASIC SIZE

Working Range:

Maximum Operating Pressure;
To 200 psig

Temperature: -20° to +200° F

Pressure Drop:

Inlet	5 psig	10 psig
100 psig	25 scfm	34 scfm

FEMALE THREAD	Catalog No.
1/4" NPSF	U2-16

MALE THREAD	Catalog No.
1/4" NPTF	U2-15

HOSE STEM	Catalog No.
1/4" Hose I.D.	U2-17
3/8" Hose I.D.	U2-22

SERIES U2

ARO, TRU-FLATE, INDUSTRIAL INTERCHANGE



Features:

The **TOMCO U2 UNIVERSAL SAFETY COUPLER** is an exhaust type coupler that is designed to exhaust air pressure prior to disconnection. This allows for coupling and uncoupling at zero pressure which greatly reduces the force required to couple and uncouple and minimizes the possibility of hazardous hose whip. The black valve sleeve acts as an integral shut-off valve that allows coupling and uncoupling at zero pressure. The valve sleeve is operated independently of the gold locking sleeve. When the valve sleeve is moved to shut off air flow, it automatically vents downstream pressure so disconnect can be performed easily at zero pressure.

A built in sleeve lock mechanically locks the locking sleeve to help prevent accidental disconnects. Proven six ball locking mechanism evenly distributes load to resist wear and provide positive connections. The ball lock mechanism also provides accurate alignment and allows a swiveling action to reduce hose torque. Knurling and grooves on the sleeves provide a gripping surface for ease of operation.

Operation:

TOMCO U2 Couplers combine push-to-connect, exhaust-style action with a universal (3 way) interchange. Simply follow the direction of the "on-off" arrow stamped on the black valve sleeve.

To couple, push the plug into the coupler. The Gold locking sleeve automatically slides forward securely locking the plug in place. No air is allowed to flow through the coupler at this point. The black valve sleeve is then slid to open air flow and automatically engage the sleeve lock mechanism.

To disconnect, slide the black valve sleeve back. The flow of air through the coupler will be shut-off and all downstream air is vented to atmosphere. The locking sleeve may now be retracted and the plug removed.

Construction:

Rugged light weight aluminum construction with corrosion resistant hard coat anodize finish and nitrile seals.