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Title: TAC Miniature Fittings

ISO Date: April 10, 2006

Don't Take Chances

Compressed air is an extremely powerful medium. Always take maximum precautions when handling any component of a compressed air system. **Never** attempt to construct, replace, operate or service any component of a compressed air system unless you have been specifically and properly trained to do so. **Always** disconnect the supply air, and exhaust the air system before attempting to remove or service a component of that system. Failure to heed these warnings could result in **SERIOUS, EVEN FATAL, PERSONAL INJURY**.

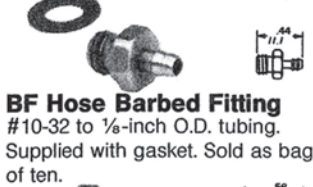
Design And Specifications

The design and specifications and other product information contained in this catalog is for general reference purposes based upon customary and usual manufacturing standards and product applications. However, it is difficult to predict or to anticipate the functioning or suitability of the product for any particular application or use. Therefore, nothing herein shall be deemed a representation or warranty of the product design or specifications and Buyer shall have the responsibility for investigating and testing the product in any particular application or use and all risks attendant in such use.

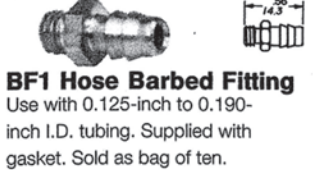
Humphrey Products Company
1-800-477-8707
Kalamazoo, MI 49003
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Humphrey TAC Miniature Fittings

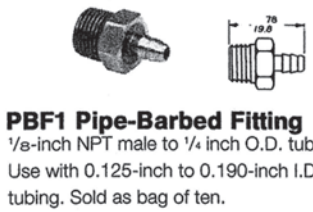
Humphrey TAC miniature fittings are precision machined brass fittings, 1/8-inch NPT and #10-32 threads, for pressures to 125 psig.



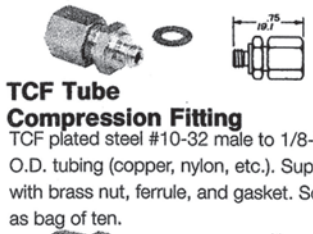
BF Hose Barbed Fitting
#10-32 to 1/8-inch O.D. tubing. Supplied with gasket. Sold as bag of ten.



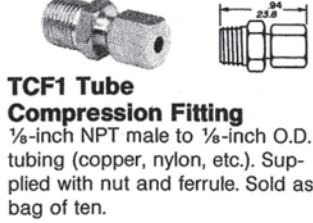
BF1 Hose Barbed Fitting
Use with 0.125-inch to 0.190-inch I.D. tubing. Supplied with gasket. Sold as bag of ten.



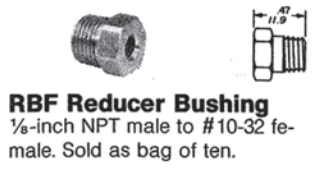
PBF1 Pipe-Barbed Fitting
1/8-inch NPT male to 1/4 inch O.D. tubing. Use with 0.125-inch to 0.190-inch I.D. tubing. Sold as bag of ten.



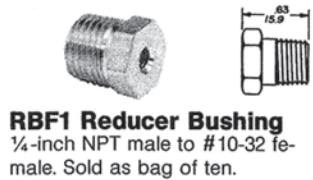
TCF Tube Compression Fitting
TCF plated steel #10-32 male to 1/8-inch O.D. tubing (copper, nylon, etc.). Supplied with brass nut, ferrule, and gasket. Sold as bag of ten.



TCF1 Tube Compression Fitting
1/8-inch NPT male to 1/8-inch O.D. tubing (copper, nylon, etc.). Supplied with nut and ferrule. Sold as bag of ten.



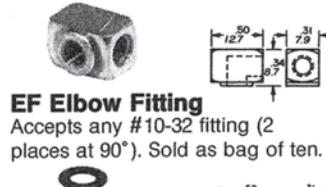
RBF Reducer Bushing
1/8-inch NPT male to #10-32 female. Sold as bag of ten.



RBF1 Reducer Bushing
1/4-inch NPT male to #10-32 female. Sold as bag of ten.



BHF Bulkhead Fitting
Provides connections through control panel to prevent chafed tubing. Accepts any #10-32 fitting (both ends) and accommodates panel thicknesses to 1/4-inch. Supplied with locknuts and washers. Sold as bag of ten.



EF Elbow Fitting
Accepts any #10-32 fitting (2 places at 90°). Sold as bag of ten.



SEF Street Ell Fitting
Accepts #10-32 male and female at 90°. Supplied with gasket. Sold as bag of ten.



TF Tee Fitting
Accepts any #10-32 fitting (3 places). Sold as bag of ten.



MBTF Male Branch Tee Fitting
Accepts #10-32 male (1 place) and female (2 places). Supplied with gasket. Sold as bag of ten.



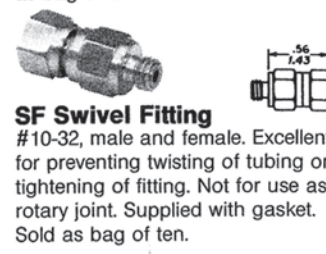
CF Coupling Fitting
#10-32 female thread on both ends. Sold as bag of ten.



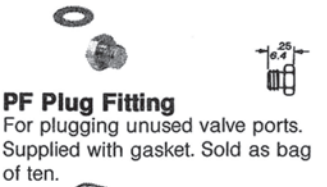
NF Nipple Fitting
#10-32 on both ends. Supplied with 2 gaskets. Sold as bag of ten.



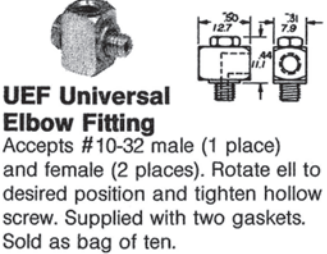
EXF Extention Fitting
#10-32 on both ends, male and female. Used to prevent fitting interference on parallel tees and elbows. Supplied with gasket. Sold as bag of ten.



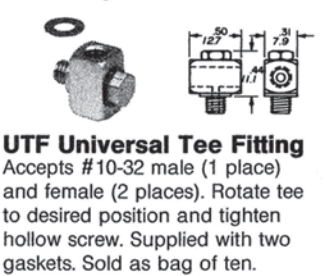
SF Swivel Fitting
#10-32, male and female. Excellent for preventing twisting of tubing or tightening of fitting. Not for use as rotary joint. Supplied with gasket. Sold as bag of ten.



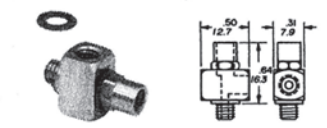
PF Plug Fitting
For plugging unused valve ports. Supplied with gasket. Sold as bag of ten.



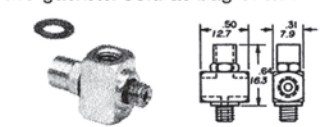
UEF Universal Elbow Fitting
Accepts #10-32 male (1 place) and female (2 places). Rotate ell to desired position and tighten hollow screw. Supplied with two gaskets. Sold as bag of ten.



UTF Universal Tee Fitting
Accepts #10-32 male (1 place) and female (2 places). Rotate tee to desired position and tighten hollow screw. Supplied with two gaskets. Sold as bag of ten.



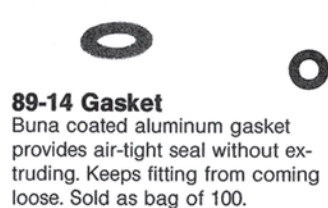
URTF Univeral Running Tee Fitting
Accepts #10-32 male (1 place) and female (2 places). Rotate fitting to desired position and tighten hollow screw. Supplied with two gaskets. Sold as bag of ten.



UXF Universal X Fitting
Accepts #10-32 male (1 place) and female (3 places). Rotate fitting to desired position and tighten hollow screw. Supplied with two gaskets. Sold as bag of ten.



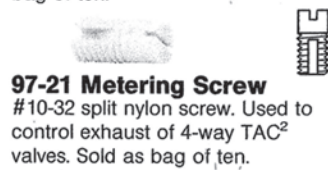
AM8 Air Manifold
Single 1/8-inch NPT common female inlet to eight #10-32 outlets. Mounts in panel or brackets 8-60, 8-600, or 8-70. Plug unused ports with PF Fitting. **Note: A single manifold cannot accommodate more than one TCF, SEF, or MBTF fitting per manifold face.**



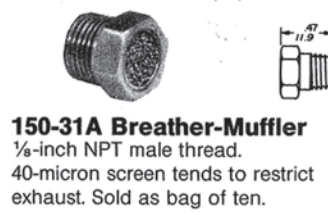
89-14 Gasket
Buna coated aluminum gasket provides air-tight seal without extruding. Keeps fitting from coming loose. Sold as bag of 100.



110-21 Locknut
9/16-inch hex x 5/64-inch. Sold as bag of ten.



97-21 Metering Screw
#10-32 split nylon screw. Used to control exhaust of 4-way TAC² valves. Sold as bag of ten.



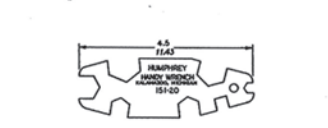
150-31A Breather-Muffler
1/8-inch NPT male thread. 40-micron screen tends to restrict exhaust. Sold as bag of ten.



150-30A Muffler
#10-32 male thread. Sintered bronze. Supplied with gasket. Sold as bag of ten.



40-13 Hose Clamp Sleeve
Use with BF1, PBF1, UTBF1, to clamp tubing firmly to barb. Sold as bag of ten.



151-20 Handy Wrench
Stainless steel. Fits all valves, locknuts, and fittings. Use of 2 is suggested.



100-35 Lockwasher
15/32-inch x 19/32-inch x 1/64-inch. Sold as bag of ten.

MISCELLANEOUS PRODUCTS

VALVES/MANIFOLD/FLOW CONTROL/REGULATOR

MODEL	Fluoroelastomer Seals	DESCRIPTION
RSR	NA	Self Relieving Regulator.
SC1	NA	Flow Control.
C125	Specify	Check Valve, 1/8-inch ports.
C1	NA	Check Valve, #10-32 ports
S125	Specify	Shuttle Valve, 1/8-inch ports.
AM8	NA	8 Port Air Manifold.

Order example: C125-VAI

REMEMBER: Option Codes marked STD, NA are not used as part of the Model Number when ordering.

ELECTRIC STYLE

MODEL	DESCRIPTION
BA-2R-AR	2-Position Electric Switch (used with ESB).
ESB	Electric Switch Bracket.

TAC, TAC², TAC³ FITTINGS/ACCESSORIES

ACCESSORIES

MODEL	DESCRIPTION
8-60	Bracket-Flat
8-600	Bracket-Angle
8-70	Bracket-Multiple
8-55A	Adapter for Cutler Hammer Electric Actuators

Order example: 8-600

TAC, TAC², TAC³ FITTINGS

MODEL	UNIT	DESCRIPTION
BF*	bag-10	Barbed Fitting 1/8 O.D. Hose
BF1*	bag-10	Barbed Fitting 1/4 O.D. Hose
BHF*	bag-10	Bulkhead Fitting
CF*	bag-10	Coupling Fitting
EF*	bag-10	Elbow Fitting
EXF*	bag-10	Extension Fitting
MBTF*	bag-10	Male Branch Tee Fitting
NF*	bag-10	Nipple Fitting
PF*	bag-10	Plug Fitting
PBF1*	bag-10	1/8 Pipe Barbed Fitting
RBF*	bag-10	Reducer Bush, 1/8 NPT-#10-32
RBF1*	bag-10	Reducer Bush, 1/4 NPT-#10-32
SF*	bag-10	Swivel Fitting
SEF*	bag-10	Street Ell Fitting
TF*	bag-10	Tee Fitting
TCF*	bag-10	Tube Compression Fit. #10-32
TCF1*	bag-10	Tube Compression Fit. 1/8 NPT

*Order by Quantity of Bags Only
Order example: TF

MODEL	UNIT	DESCRIPTION
UEF*	bag-10	Univ. Elbow Fitting
URTF*	bag-10	Univ. Running Tee Fitting
UTF*	bag-10	Univ. Tee Fitting
UXF*	bag-10	Univ. X Fitting
28-60A	ea	Cam Roller (For 34CH)
40-13*	bag-10	Hose Clamp-Sleeve for 1/4" O.D. Hose
71-18	ea	Slug (For 34CH)
89-14*	bag-100	Gasket
93-18	ea	Set Screw (For 34CH)
95-27	ea	Screw, UEF & UTF
97-21*	bag-10	Metering Screw
100-35*	bag-10	Lockwasher
110-21*	bag-10	Locknut
120-40	ea	Collar (For 34CH)
150-30A*	bag-10	Muffler # 10-32
150-31A*	bag-10	Muffler # 1/8 NPT
151-20	ea	Handy Wrench

*Order by Quantity of Bags Only
Order example: 71-18