Tube Turns, Inc.

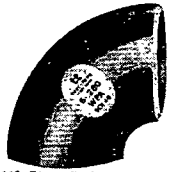
General Offices and Factory: **Louisville 1, Ky.**

TRADE MARK

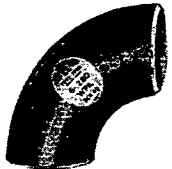
DISTRICT OFFICES:

CHICAGO, Suite 904, 600 S. Michigan Ave. HArrison 7-8526
HOUSTON, 1709-11 Commerce Bldg.....Charter 1668
LOS ANGELES, 447 General Petroleum Bldg. Madison 6-3219
NEW YORK, 150 Broadway.....Rector 2-7844
PHILADELPHIA, Broad Street Station Bldg., Rittenhouse 6-0722
PITTSBURGH, 3001 Grant Bldg.....Atlantic 1-8848
TULSA, 420 Wright Bldg.....Phone 2-9193
SAN FRANCISCO, 2611 Russ Bldg.....Garfield 1-2594
In Canada: Tube Turns of Canada, Limited, Chatham, Ontario

DISTRIBUTORS IN PRINCIPAL CITIES



90° Short Radius Elbow



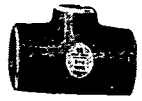
90° Long Radius Elbow



45° Long Radius Elbow



Straight Tee



Reducing Outlet Tee



Concentric Reducer



Eccentric Reducer



Lap Joint Stub End



180° Long radius Return



Cap



Straight Lateral



Saddle



Straight Cross



Blind Flange



Welding Neck Flange



Welding Ring



Socket Flange



Lapped Flange



Threaded Flange

TUBE-TURN SEAMLESS WELDING FITTINGS—RANGE OF SIZES

DESCRIPTION	STANDARD WEIGHT	EXTRA STRONG	SCHEDULE 160	DOUBLE EXTRA STRONG	LIGHT GAUGE NOMINAL PIPE SIZE	LIGHT GAUGE IRON PIPE SIZE
ELBOWS—90° Long Radius	½"-30"	½"-30"	1"-12"	¾"-8"	4"-24"	¾"-12"
ELBOWS—90° Short Radius	1"-30"	1½"-30"				
ELBOWS—45° Long Radius	½"-30"	½"-30"	1"-12"	¾"-8"	4"-24"	¾"-12"
RETURNS—180° Long Radius	½"-30"	½"-30"	1"-12"	2"-8"	4"-24"	¾"-12"
RETURNS—180° Short Radius	1"-30"	1½"-30"				
RETURNS—180° Extra Long Radius	1"-2½"	1"-2½"				
TEES—Straight	½"-24"	½"-24"	½"-12"	½"-8"		
TEES—Reducing Outlet	½"-24"	½"-24"	¾"-12"	¾"-8"		
REDUCERS—Concentric and Eccentric	¾" x ¾" 24" x 16"	¾" x ¾" 24" x 16"	¾" x ¾" 12" x 5"	¾" x ½" 8" x 3½"		
CAPS	¾"-24"	¾"-24"	1"-12"	1"-8"		
STUB ENDS—Lap Joint	½"-24"	½"-24"				
SADDLES	2"-24"**					
LATERALS—Straight	1"-24"	1"-24"				
LATERALS—Reducing-on-run	1"-24"	1"-24"				
CROSSES—Straight and Reducing	¾"-24"	¾"-24"				
RINGS—Welding, Groove Type	¾"-24"	1"-24"		1¼"-8"		
RINGS—Welding, Ridge Type	¾"-12"	¾"-12"				
SLEEVES—Welding	2"-24"**					

** Since saddles and sleeves are for external reinforcement only, they do not conform to iron pipe size thicknesses.

TUBE-TURN FORGED STEEL FLANGES—RANGE OF SIZES

DESCRIPTION	150 LB.	300 LB.	400 LB.	600 LB.	900 LB.	1500 LB.	2500 LB.
WELDING NECK	½"-24"	½"-24"	½"-24"†	½"-24"	½"-24"*	½"-24"	½"-12"
SLIP-ON	½"-24"	½"-24"	½"-24"†	½"-24"	½"-24"*	½"-24"	½"-12"
LAP JOINT	½"-24"	½"-24"	½"-24"†	½"-24"	½"-24"*	½"-24"	½"-12"
THREADED	½"-24"	½"-24"	½"-24"†	½"-24"	½"-24"*	½"-12"	½"-12"
BLIND	½"-24"	½"-24"	½"-24"†	½"-24"	½"-24"*	½"-24"	½"-12"
SOCKET TYPE	¾"-24"	¾"-4"		¼"-3½"			
REDUCING—Threaded or Slip-On	¾"-24"	¾"-24"	¾"-24"†	¾"-24"	¾"-24"*	¾"-24"	¾"-12"
ORIFICE—Threaded		1"-24"	4"-12"	1"-12"	3"-12"	1"-12"	
ORIFICE—Slip-On		1"-24"					
ORIFICE—Welding Neck		1"-24"	4"-12"	1"-12"	3"-12"	1"-12"	

† Dimensions on sizes thru 3½" same as for 600 lb. flanges.
* Dimensions on sizes thru 2½" same as for 1500 lb. flanges.

tt and Tube-Turn are trade marks of Tube Turns, Inc.

Alco Valve Company

ENGINEERED REFRIGERANT CONTROLS

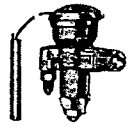
851 Kingsland Avenue, St. Louis 5, Mo.

NEW YORK OFFICE: 55 WEST 42ND STREET
CHICAGO OFFICE: 2400 WEST MADISON AVENUE

THE COMPLETE LINE OF REFRIGERANT CONTROLS

ALCO THERMO EXPANSION VALVES

THERMO EXPANSION VALVES: for automatic control of liquid refrigerant on all types of refrigeration and air conditioning systems. Capacities—from fractional tonnage to 100 tons Methyl Chloride, 50 tons "Freon-12."



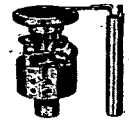
Type 402



Type TK—"3 valves in 1"



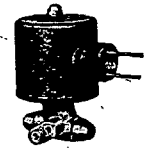
Type TCL



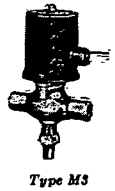
Type TR—Multi-Outlet

ALCO SOLENOID VALVES

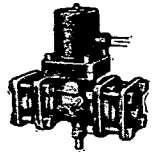
SOLENOID VALVES: for all types of service. For Liquid: "Freon"—up to 75 tons. Methyl Chloride—up to 150 tons. For Suction: "Freon"—up to 8.8 tons. Methyl Chloride—up to 17 tons.



Type S1



Type M3



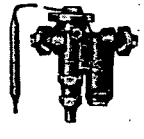
Type R2

ALCO AMMONIA CONTROLS

AMMONIA CONTROLS: Solenoid Liquid Valves—up to 172 tons. Solenoid Suction Valves—up to 28 tons. Thermo Expansion Valves—from fractional tonnage to 60 tons.

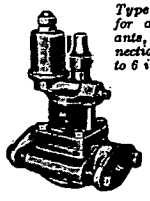


Type M9F

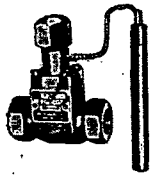


Type UG

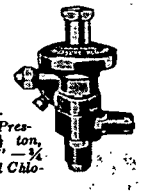
ALCO SUCTION LINE CONTROLS



Type EPR15—for all refrigerants, with connection sizes up to 6 in.



Type 732 SNAP-ACTION SUCTION VALVE—Temperature—½ ton, "Freon-12" — 1 ton, Methyl Chloride.



Type 760 "EVAPO-TROL"—Pressure — ½ ton, "Freon-12" — ¾ ton, Methyl Chloride.

ALCO also makes: Solenoid Valves for brine, water, gas, air and steam—Float Switches—High Pressure Float Valves—Constant Pressure Expansion Valves—Liquid and Suction Line Strainers.