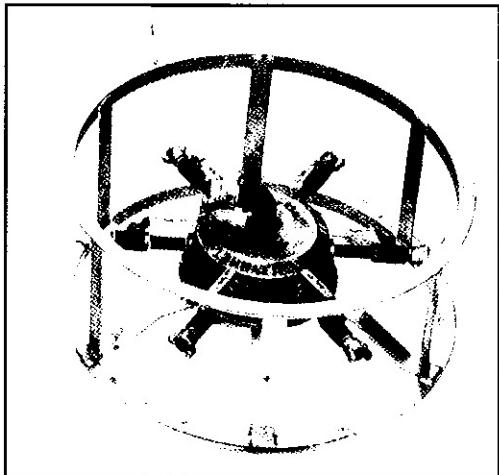
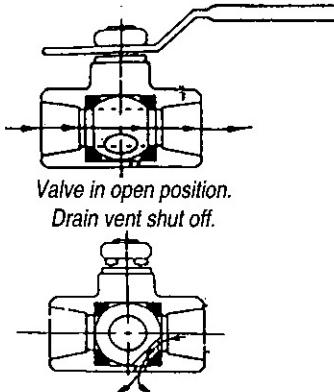


Air Manifolds

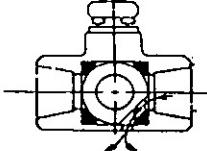
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Venting Operation



Valve in open position.

Drain vent shut off.



Valve closed and draining.

Upstream seat stops air flow. Downstream system is vented to atmosphere.

When this valve is shut off for maintenance of pneumatic tool, pressure from valve to tool is automatically drained to atmosphere to prevent accidental operation of the tool, causing possible injury.

SPECIFICATIONS:

MODEL #	TX1AMF
WEIGHT	102 LBS.
DIMENSIONS: Height	15"
Diameter	36"
INLET SIZE	1-1/2"
# OF OUTLETS	6

TX-10017 Air Manifold Filter Kit

Filter Replacement Kit includes parts to refurbish all 6 filters in a Texas Pneumatic Air Manifold. This kit includes:

TX-10013 (6) 40 micron sintered bronze filter
TX-10014A (6) "O" ring
TX-10014B (6) Rubber seal
TX-10015 (6) Spring

Texas Pneumatic proudly offers the

TX-1AMF Air Manifold

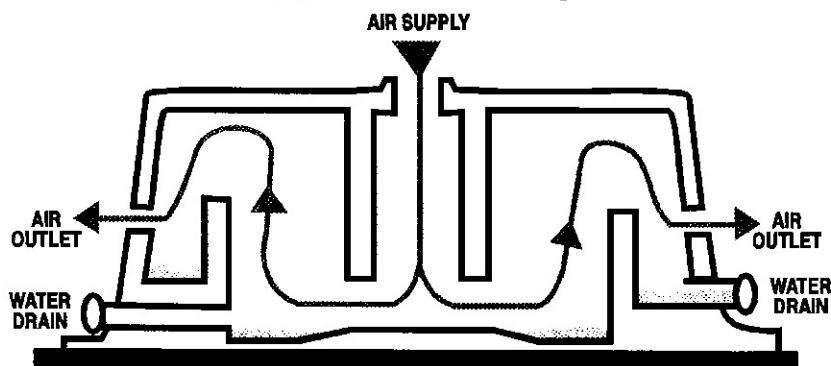
- ★ Conveniently manufactured TO SAVE YOU TIME.
- ★ Baffles increase interior surface area for improved condensation collection.
- ★ Cage protects the valves and makes it easy to move.
- ★ Ball valves control the number of outlets available.
- ★ Pressure relief valve provides protection against excessive pressure build-up.
- ★ Particulate filters produce clean air at the tool preventing downtime.

The Texas Pneumatic Air Manifold can be used in any industry where there is a need to have multiple outlets of air to supply various pneumatic tools simultaneously. The manifold comes with a 1-1/2" air inlet and can be dispersed through and up to six separate 3/4" Chicago couplings. Each outlet is regulated by a bronze safety lock on/off self-relieving ball valve. For an adequate air supply to each tool, use the formula below:

MANIFOLD APPLICATION FORMULA:

Air Tool Consumption x Number of Tools = CFM Required (CFM)

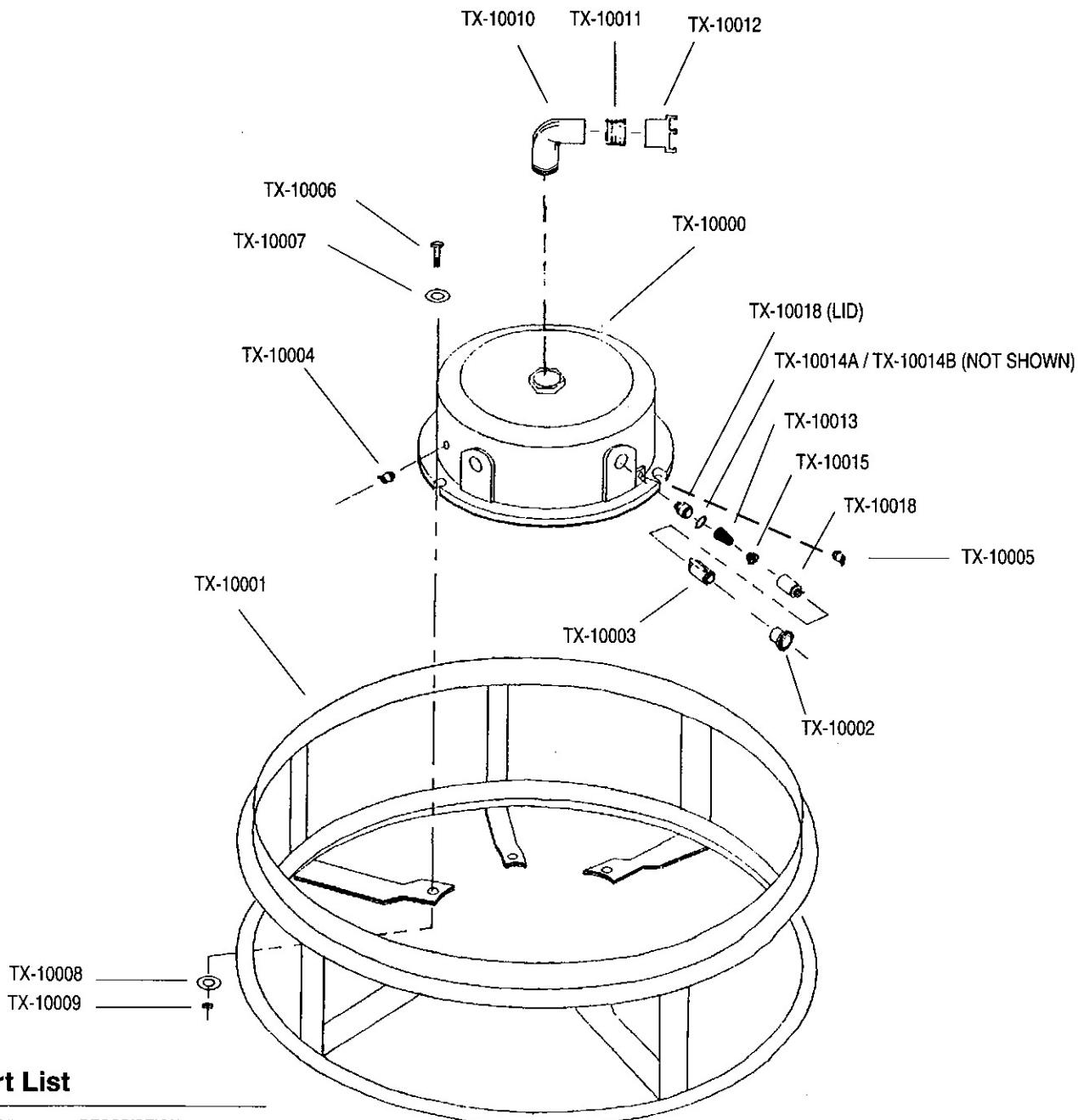
Unique Water Baffle Design:



Air Manifolds

TX1AMF Air Manifold

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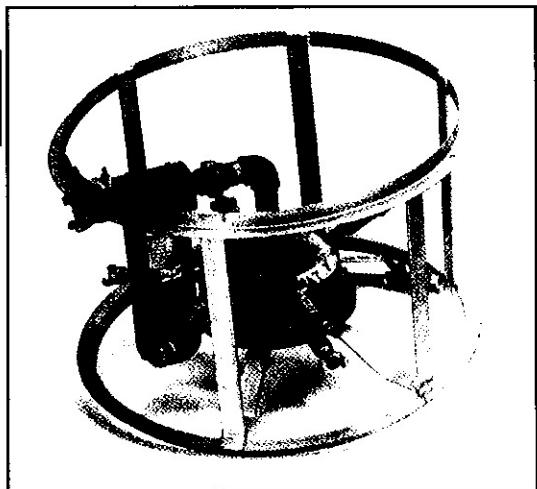


Part List

PART #	DESCRIPTION	ASSEMBLIES
TX-10000	MANIFOLD CASTING	TX-10013 SINTERED BRONZE FILTER
TX-10001	SMALL MANIFOLD CAGE	TX-10014A LARGE "O" RING
TX-10002	3/4" MPT X CROW'S FOOT (STEEL)	TX-10014B INTERNAL RUBBER SEAL
TX-10003	BALL VALVE	TX-10015 SPRING
TX-10004	1/4" POP-OFF VALVE	TX-10018 FILTER HOUSING W/LID
TX-10005	1/4" DRAIN COCK	
TX-10006	1/2" - 13 X 1-3/4" GALVANIZED BOLT	
TX-10007	1/2" GALVANIZED FLAT WASHER	
TX-10008	1/2" GALVANIZED LOCK WASHER	
TX-10009	1/2" - 13 GALVANIZED HEX NUT	TX-10017* FILTER REPLACEMENT KIT
TX-10010	1-1/2" GALVANIZED 90 DEGREE STREET EL. (SCH. 80)	CONTAINS TX-10013, TX-10014A, TX-10014B,
TX-10011	1-1/2" GALVANIZED ALL THREAD NIPPLE (SCH. 80)	TX-10015 (6 OF EACH PART)
TX-10012	1-1/2" 4 PRONG CROW'S FOOT (1-1/2" FOUR LUG FEMALE COUPLING)	

Air Manifold with Water Filter

1



Features...

Arrow 910 CFM water filter
Internal baffle design

6 bronze self-relieving ball valves
200 psi A.S.M.E. pressure relief
safety valve

Six 40 micron sintered bronze filters

PARTICULATE FILTERS

Arrow F3 series particulate filters remove harmful oil/water condensate, pipe scale, dirt and rust from your compressed air system. This prevents corrosive damage to compressed air equipment and finished products. Typically, particulate filters are installed upstream of regulators to prevent valve failure. They are also used as pre-filters to oil removing and coalescing filters to insure high efficiency and long element life in applications such as paint spraying, instrumentation and pharmaceuticals.

Each filter is equipped with a highly efficient baffling system for maximum bulk liquid and dirt particle removal. The Arrow heavy-duty, cleanable porous bronze element removes fine particles. Particle removal can be tailored to specific needs with either the 40 or 5 micron bronze element. An optional 3 micron absolute pleated fiber element is also offered for extra-fine particle removal.

The Arrow 3 micron absolute element is a high efficiency filter element with solid particulate removal in the 90% efficiency range down to .28 microns. The Beta efficiency rating is 99.5%. The element is constructed of pleated cloth fibers and rib supports for strength. Both ends have urethane 50 durometer elastomer seals to insure particulate entrapment. The pleated fiber design gives this element 10 times the surface area of similar nominal rated elements. This increased surface area provides a long element life and the same pressure drop characteristics as our current 40 micron

Texas Pneumatic proudly offers the

TX-1AMF-WF Air Manifold with Water Filter

- ★ **Water filters (particulate filters) produce clean, dry air at the tool preventing rust and clogging which reduces downtime of tools and saves money.**
- ★ **Conveniently manufactured to save you time.**
- ★ **Cage protects valves and makes it easy to roll around.**
- ★ **Ball valves control the number of outlets available.**
- ★ **Pressure relief valve provides protection against excessive pressure buildup.**

element. When used as a pre-filter to a coalescing filter, it will increase the life of the coalescing element by 4 to 6 times.

IMPORTANT: Particulate filters only remove water in its liquid state. Water vapors will pass through a particulate filter and condense into liquid as the temperature in the air line drops. Liquid condensation may have a harmful effect on certain applications. We recommend installing an Arrow dryer for complete removal of liquid condensation from the system.



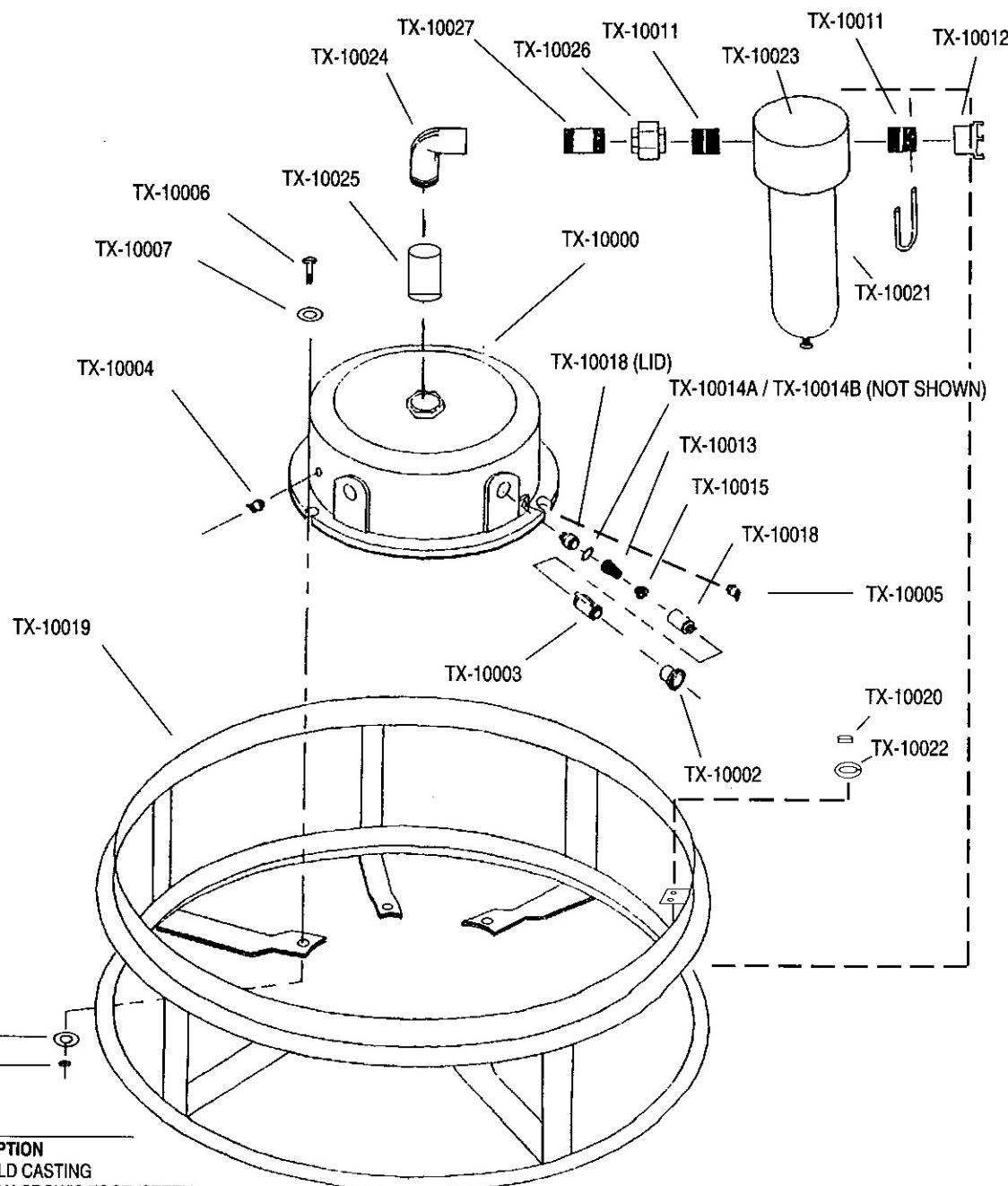
SPECIFICATIONS:

MODEL #	TX1AMF-WF
WEIGHT	114 LBS.
DIMENSIONS: Height	22.5"
Diameter	36"
INLET SIZE	1-1/2"
# OF OUTLETS	6

Air Manifold with Water Filter

TX1AMF-WF Air Manifold with Water Filter

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Part List

PART #	DESCRIPTION
TX-10000	MANIFOLD CASTING
TX-10002	3/4" MPT X CROW'S FOOT (STEEL)
TX-10003	BALL VALVE
TX-10004	1/4" POP-OFF VALVE
TX-10005	1/4" DRAIN COCK
TX-10006	1/2" - 13 X 1-3/4" GALVANIZED BOLT
TX-10007	1/2" GALVANIZED FLAT WASHER
TX-10008	1/2" GALVANIZED LOCK WASHER
TX-10009	1/2" - 13 GALVANIZED HEX NUT
TX-10011	1-1/2" GALVANIZED ALL THREAD NIPPLE (SCH. 80)
TX-10012	1-1/2" 4 PRONG CROWS FOOT
TX-10013	SINTERED BRONZE FILTER
TX-10014A	LARGE "O" RING
TX-10014B	INTERNAL RUBBER SEAL
TX-10015	SPRING
TX-10017	FILTER REPLACEMENT KIT CONTAINS TX-10013, TX-10014 A & B, (6 OF EACH)
TX-10015	FILTER HOUSING W/LID
TX-10019	LARGE MANIFOLD CAGE
TX-10020	1/4" GALVANIZED NUT
TX-10021	1/4" U-BOLT
TX-10022	1/4" GALVANIZED LOCK WASHER
TX-10023	910 CFM WATER FILTER
TX-10024	1-1/2" GALVANIZED EL. (SCH. 80)
TX-10025	1-1/2"X7-1/2" GALVANIZED NIPPLE (SCH. 80)
TX-10026	1-1/2" GALVANIZED UNION (SCH. 80)
TX-10027	1-1/2" X 2-1/2" NIPPLE (GAL SCH 80)