

TDI TURBOTWIN™ T20 Air Starter

APPLICATION VERSATILITY

- Suitable for starting diesel and gas engines up to 8 liters.
- Engine applications include Ford 460, Cummins 5.9, John Deere 4045, GM 454 and Continental TM27 engines.

SIMPLICITY

- The integrated relay valve eliminates the need for lengthy pre-engagement lines simplifying installation and reducing costs.
- Features modular construction with serviceable parts providing users with simple and low cost overhaul.

CONTAMINATED SUPPLY

LOW AIR CONSUMPTION

NO MAINTENANCE DESIGN and ENVIRNOMENTALLY SAFE

HEAVY DUTY CONSTRUCTION

BROAD RANGE of OPERATION

- Configured with the same rugged turbine motor design used in the complete line of TURBO TWIN starters.
- The *TurboTwin* motor is highly resistant to damage caused by wet or hard contaminated air/gas.
- The efficient twin turbine motor delivers more torque using less air/gas than previous starter designs.
- Standard pressure (4 nozzle) and low pressure (12 nozzle) versions available.
- Maintenance free design with grease-packed bearings for the life of the starter.
- No external lubrication required as there are no rubbing parts.
- Eliminates lubricator problems, installation expense, system maintenance, and the messy/hazardous oil film around the starter exhaust.
- Constructed from durable, corrosion resistant, and high quality materials.
- Major components are made from high strength aluminum or steel alloy.

BROAD RANGE of OPERATION

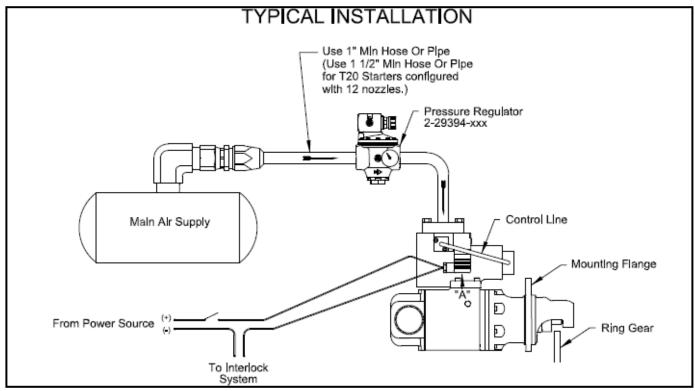
- Lightweight at only 22.5 lbs. (10.2 Kg)...the T20 is capable of delivering over 15 HP at only 20 psig.
- Pressure ranges from 20 psig (1.4 BAR) to 150 psig (10 BAR).
- Compressed air and natural gas compatible.
- The high horsepower of the turbine air motor combined with a planetary gear speed reducer results in a very efficient and reliable unit.
- A pair of axial flow turbines coupled to a planetary gear reduction set powers the T20.

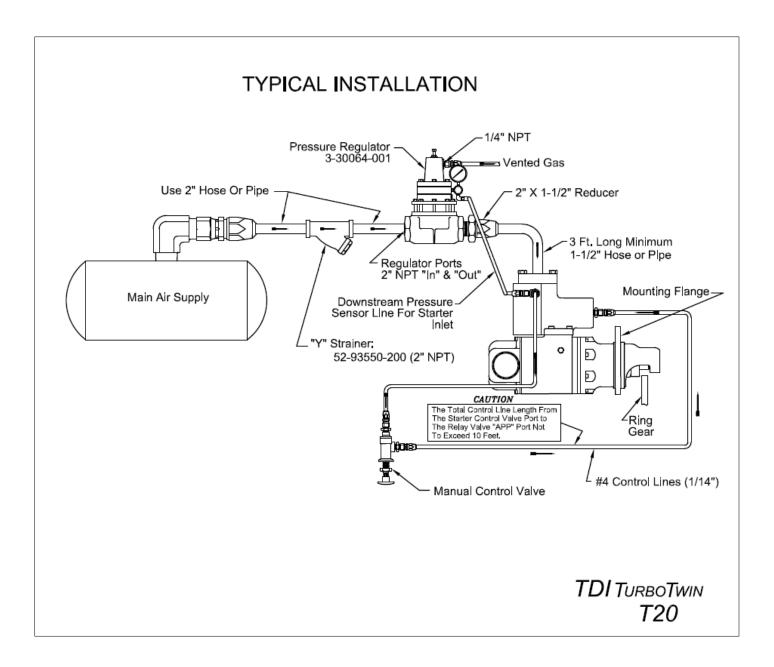
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DEVELOPMENT HISTORY

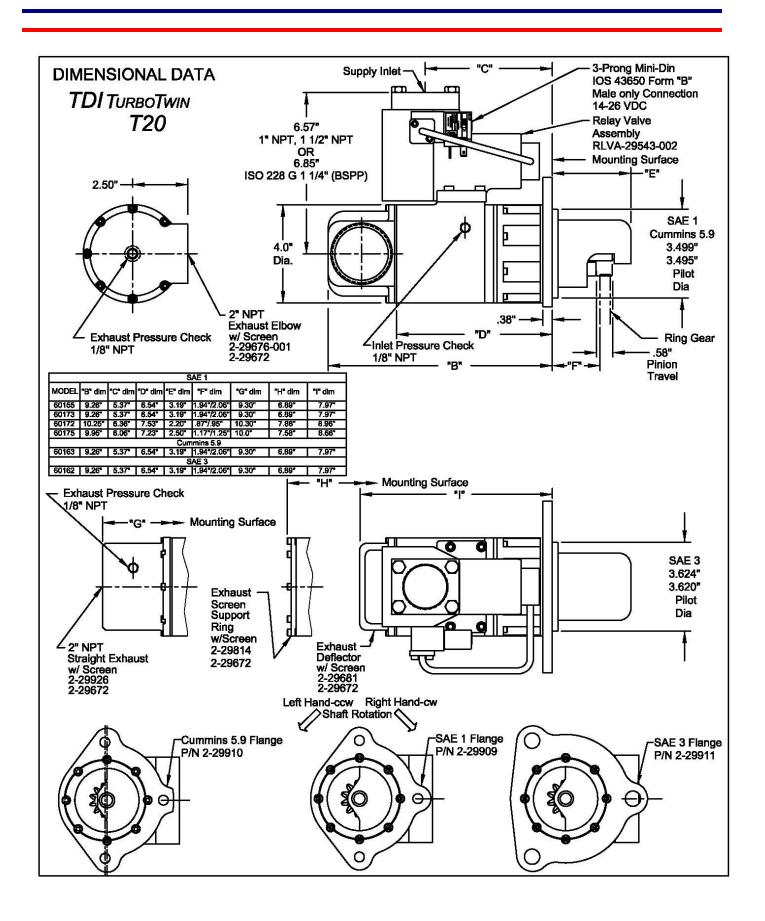
- Tech Development introduced the first turbine technology for starting industrial engines in 1979.
- The T20 features an innovative and more reliable turbine motor than anything on the market today.
- The *TurboTwin* T20 is the result of TDI's continuing turbine starter design innovations.







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