



Air Start Distributor

Featuring Variable Injection Timing

The Exline Air Start Distributor is designed for easier, more reliable starting of large stationary engines. It replaces original equipment air start distributors to provide:

- High Breakaway Torque
- Efficient Air Usage
- Elimination of “Dead Spots”
- Total Reliability

A patented feature automatically retards air injection timing during the initial “breakaway” roll of the crankshaft. With the distributor set in this configuration, there are no “dead spots” and a much higher breakaway torque is achieved.

This air injection timing is accomplished by automatically rotating the distributor housing by means of an air cylinder and lever arm. When the engine stops, the distributor is set in the retarded position. At approximately two seconds into the starting sequence, the distributor position automatically advances to the most efficient air injection point.

The unit features adjustable pilot valves, push rods and a venting valve timing arrangement to ensure elimination of dead spots. Wear is minimized since internal components do not contact the cam and therefore do not operate unless the starting air is supplied.

Turn page for ordering information, specifications and detail.

Ordering Information

When ordering distributor specify engine make and model.

Selected Popular Air Start Distributor Installations*

Clark	Cooper Bessemer	Ingersoll Rand	Worthington
HBA-6	JS-5	KVG-8/10/12	ML-6/7/10/12
TLA-6	GMV-6/8/10/12	KVS-8/10/12	MLV-10/14/16
8A-8	GMW-6/8/10/12	SVG-8/10	SDR-8
TLA-10	V2S0-10/12/16	PVG-8	SLHC-10
TCV-12	W330-8/10/12/16	KVR-512/16	SUTC-10
TVC-6		KVT-10/12/16	UTC-5/6/7/8/10
			Horizontal

**A variety of other engines can be fitted with the Exline Air Start Distributor. For information, call 1-800-255-0111.*

If you'd like a trial run of an Exline Air Start Distributor, call us. We'll gladly discuss this reliable system with you.

Additional Components Needed to Complete Installation

Time Delay

Distributor
Control Valve
Filter
Pneumatic Terminal

Bracket
Time Delay Control
Valve
Regulator

Details of Installation

The Exline Air Start Distributor replaces the original equipment distributor. The system is custom designed by

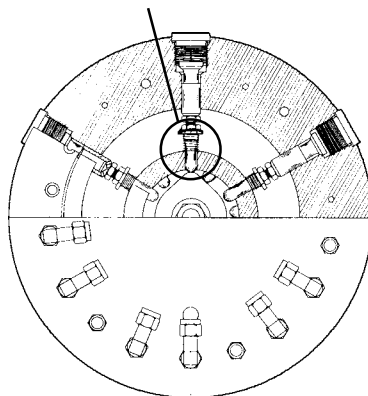
Exline professionals to fit your engine so no machining is needed. This reduces installation time and gets your engine back into service quickly. Flexible tubing is fabricated from the distributor to the pneumatic terminal bracket. Necessary brackets for controls are field fabricated.

Application

The Exline Air Start Distributor can be installed on all engines equipped with starting air check valves at each power cylinder. Pneumatic control valves are available on some engines not so equipped. Call us for more information.

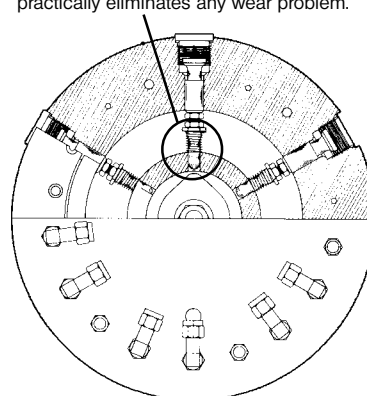
Custom Design

Distributor push rods are in contact with cam during starting sequence only.



**Engine
Start Sequence**

Distributor push rods do not engage cam while engine is operating or stopped. This practically eliminates any wear problem.



**Engine
Running & Stopped**

