



TWO-STAGE COMPRESSORS AIR END

Features	Advantages	Benefits
◆ Unmatched full load efficiency	<ul style="list-style-type: none"> • 10-13% more efficient than single-stage compressors 	<ul style="list-style-type: none"> • Lowers operating costs
◆ Spiral valve	<ul style="list-style-type: none"> • Energy savings up to 17% during part-load operation 	<ul style="list-style-type: none"> • Lowers operating costs
◆ Pressure difference is split between two stages	<ul style="list-style-type: none"> • Reduced bearings loads 	<ul style="list-style-type: none"> • Extends equipment life
◆ Fluid is injected into each stage and interstage	<ul style="list-style-type: none"> • No additional cooling required • Totally self-contained unit 	<ul style="list-style-type: none"> • Lowers installed costs • Lowers operating costs
◆ Tapered and cylindrical roller bearings	<ul style="list-style-type: none"> • Improves load-carrying capacity 	<ul style="list-style-type: none"> • Lengthens equipment life
◆ Gear forces reduce loads on bearings	<ul style="list-style-type: none"> • Thrust loads on bearings reduced 	<ul style="list-style-type: none"> • Lengthens equipment life
◆ Proven rotary screw design	<ul style="list-style-type: none"> • Manufacturer has specialised in rotary screw technology since 1965 	<ul style="list-style-type: none"> • Expresses time-proven reliability • Provides peace of mind and assurance of purchase decision
◆ Controlled pressure lubrication to bearings	<ul style="list-style-type: none"> • Assures a reliable supply of lubrication to rotating elements 	<ul style="list-style-type: none"> • Extends air end life
◆ Optimised discharge port	<ul style="list-style-type: none"> • Volume ratio is matched to operating pressure ratio • Precision machining of outlet port means more accurate control of built-in volume ratio 	<ul style="list-style-type: none"> • Maximises efficiency • Lowers operating costs
◆ Axial air inlet	<ul style="list-style-type: none"> • Lessens pressure drop ; avoids pre-heating of inlet air 	<ul style="list-style-type: none"> • Lower operating costs
◆ Rotors are cut, then ground	<ul style="list-style-type: none"> • Better air end performance 	<ul style="list-style-type: none"> • Lowers operating costs
◆ Air ends are of our own manufacture	<ul style="list-style-type: none"> • Built to ISO 9001 standards 	<ul style="list-style-type: none"> • Assures quality • Lengthens air end life