

SPECIFICATIONS

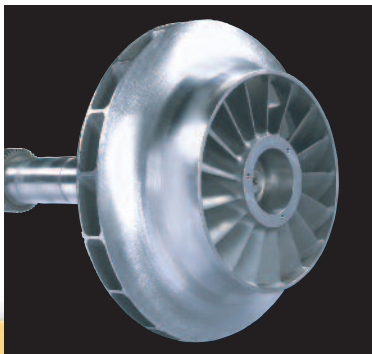
ROOTS® IGC - Integral Gear Compressor

ROOTS® Integral Gear Compressors are suitable for use with a variety of constant speed or variable speed drivers. Local energy costs and your requirements will determine the most economical method of drive for your application.

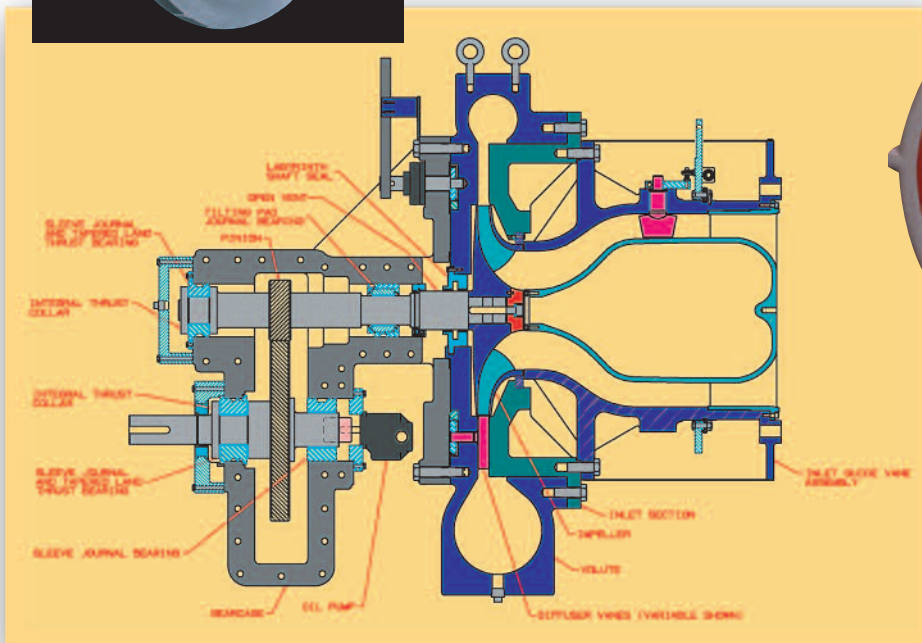
The impeller is the most critical element in a centrifugal compressor. The most common configurations are those with backward leaning blades curved away from the direction of rotation, or impellers with blades which discharge radially. Material selection is driven by process gas and performance requirements.

Inlet and diffuser vanes, together or alone, are available as options, with either manual or automatic controls. Adjustable inlet guide vanes control the capacity with a minimum loss of efficiency, and also increase the stable operating range. Adjustable diffuser vanes are available for certain apps. to maximize efficiency and turndown.

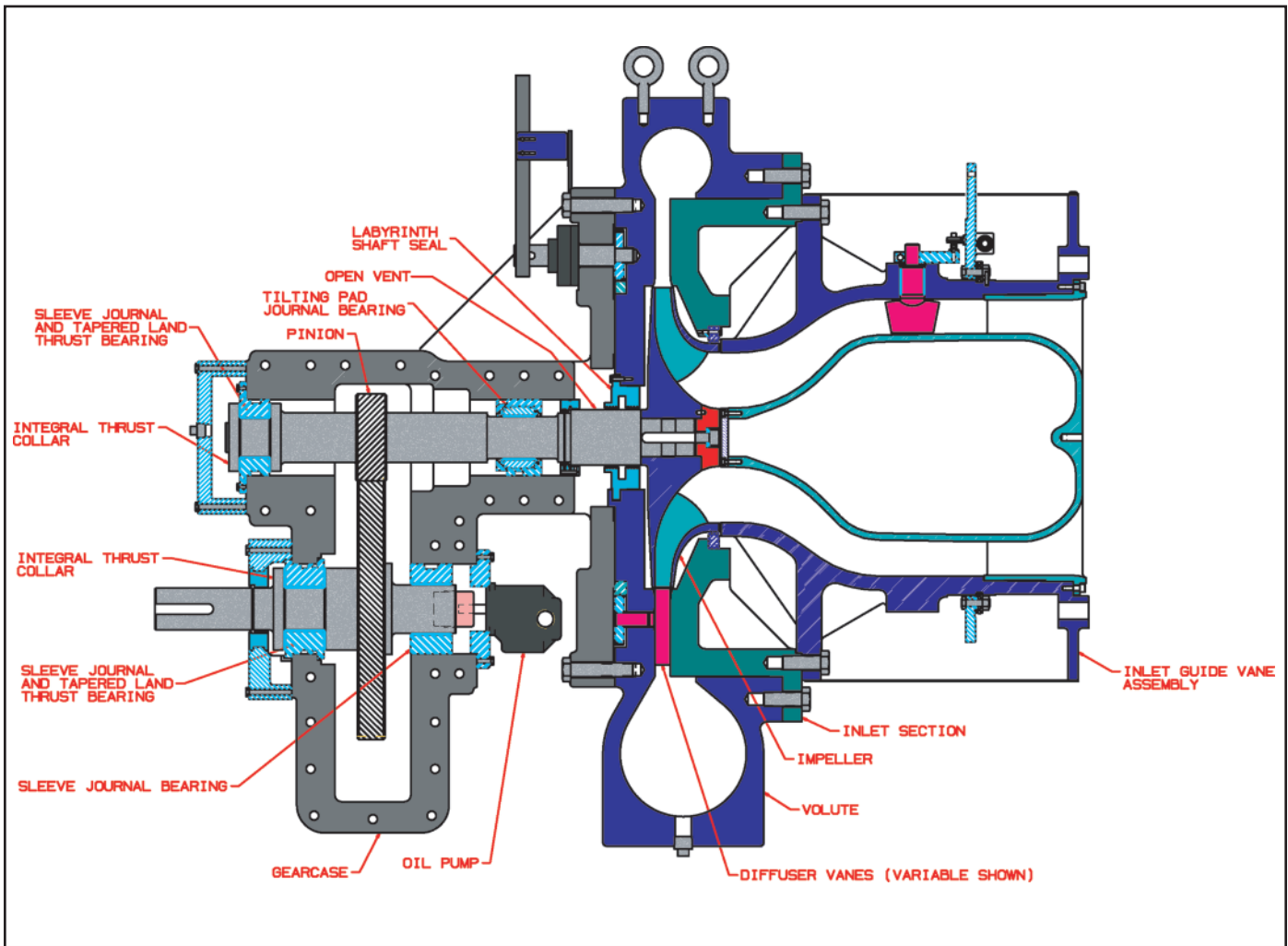
Roots standard horizontal split case offers complete access to the bearings and seals for ease of maintenance without disturbing the process piping.



- Choice of several impeller materials
- Polytropic heads to 50,000 ft.
- Flows to 60000 cfm (101949 m³/hr)
- API capability
- Roots Control packages



IGC SECTIONAL ASSEMBLY



Dresser Roots

Houston, Texas Headquarters • U.S. Toll Free Phone: 1-877-363-ROOT(S) (7668) • Direct Phone: +1 832-590-2600
 Connersville, Indiana Operations • U.S. Toll Free Phone: 1-877-442-7910 • Direct Phone: +1 765-827-9285
 United Kingdom Operations • Phone: +44 (0) 1695 52600
 USA/Canada Sales • Phone: +1 773-444-3360
 Houston, Texas Factory Service • Phone: +1 713-896-4810
 Mexico City Sales and Factory Service • Phone: +52 55 5889 5811
 Dubai Sales and Factory Service • Phone: +971 4-8830831
 Malaysia Sales • Phone: +60 3 2267 2600
 China Sales • Phone: +86 10 8486 2440
 Shanghai Factory Service • Phone: +86 21 5858 7638



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