



ARIEL CORPORATION

Product Release Announcement

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CP / CPs COMPRESSOR VALVES



As part of Ariel Corporation's goal to provide the best performance possible for owners and operators of Ariel compression equipment, our standard valve product for new compressors will be CP and CPs valves. CP and CPs valves were introduced several years ago in a number of our cylinders, and they demonstrated a significant increase in reliability leading to extended service life as compared to valves with traditional design. The CP and CPs design implements new plate and seat port geometry along with a profiled sealing surface resulting in improved operating efficiency at a lower plate lift.

Ariel has been evaluating CP and CPs valves since 2012; our engineers have observed an installed base of nearly 10,000 CP and CPs valves. The demonstrated reliability and operating efficiency of these valves provided owners and operators of Ariel compressors a new level of profitability. Many Ariel Distributors, contract compression companies, and owners/operators are already experiencing the benefits of this product through new compressor cylinders and product retrofits.

The *CP / CPs Compressor Valve Reference Guide* provides a list of cylinders for which these valve products are now standard. Ariel will revise this guide as additional cylinders are equipped with CP and CPs valves. Contact your Ariel Regional Team member or Ariel Application Engineering for more information about the CP and CPs product.

CP / CPs COMPRESSOR VALVES

Physical Features

- Aerodynamic profiled seat and plate
- Durable carbon filled PEEK plate
- Greater flow area than CT and CRE
- Lower standard lift than CT and CRE
- Significantly reduced stiction
- Robust springs
- Spring Savers

CP / CPs Valve Advantages:

- Increased reliability
- Greater efficiency
- Lower cost of operation
- Simplified inventory management



CP / CPs VALVE REFERENCE GUIDE

Cylinders that will ship with CP / CPs valves as of Jan, 1st 2018.

Valve Size	Cylinder Size	Cylinder Model
72CPs	6-1/2	JG
	6-1/2-CE	JG
	6-3/8	ET/R/RJ
	6-3/8-CE	R/RJ
	5-1/2	P-CE
	5-1/8	P-HE:10
	4-5/8	ET/HJ
	4-3/8	P-HE

89CP	8-3/8	K/T/C/D/F/U/Z
	7-1/4:10	K/T/C/D/F/U/Z
	5-3/8-VS	K/T/C/D/F
	5-3/8-VS-CE	K/T/C/D/F
	5-3/8-DW	K/T
	5-3/8-FS-HE	K/T/C/D/F

90CPs	8-7/8	JG/M
	8-7/8-CE	JG/M
	6-1/2	M/SP-HE

98CP	9-3/4	ET/RJ/R
	9-3/4-CE	ET/RJ/R
	9-5/8	K/T/C/D/F/U/Z
	9-5/8-CE	K/T/C/D/F
	8-3/8	ET/RJ/R
	8-3/8-CE	R
	6-1/4	K/T/C/D/F/U/Z

New Valve Model	Old Valve Model
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72CPs	74CFD
	70RX
	75DIA
	70CRE
	79CRE*

89CP	90CT
	92CGD*

90CPs	98CRE
	98RX

98CP	100CGD*
	102CT
	102CTO
	104APV
	105CRO
	105CRE

* Not in all cylinders

Available for all cylinders in the aftermarket.

24 Hour Support:

- North America: 888.397.7766
- Worldwide: +1 740.397.3602