

Rotary  
screw

VRU

The **PARAMOUNT** Series

15HP-300HP Electric Motor Driven Packages

*“Vapor Recovery Re-imagined”*



**100%**  
CAPTURED

**0%**  
TO ATMOSPHERE



## World Class Reliability + Efficiency = Value Gained

The Paramount Series applies industry leading design from the world's 3<sup>rd</sup> largest compressor manufacturer to gas compression in the USA, producing over 70,000 compressors every year.

**Reliability:** The Paramount Series utilizes the internationally patented “SKY” compressor airend. The only airend rotary screw technology design with 4 bearings on the discharge end of each airend rotor (two more bearings than all other gas compression brands). **This unique bearing design extends the gas compressor airend life by over 300%.**

**Efficiency:** The Paramount Series uses the latest rotor profiles cut on world-class Kapp grinding machines within the USA. These gas compressors have proven to be **25 - 40% more efficient** than every industry rotary screw gas compressor manufacturer, which gives end users **25 - 40% more gas flow (MSCFD)** for the same horsepower when compared to other brands OR provides the same gas flow (MSCFD) while consuming **25 - 40% less electrical energy**. That's **\$15,000 to \$25,000 in electrical saving annually** for every 150hp Vapor Recovery Unit operated.

» We manufacture **85%** of the compressor components internally, ensuring quality and controlling costs.

The Paramount Series provides the strongest value in the Vapor Recovery Market and the first unit to offer a Return on Investment through industry leading longevity, reliability and energy savings!

# SUPERIOR DESIGN

## DIRECT DRIVE

1:1 DRIVE RATIO

NO GEARBOX

### Maximum Air Output & Reduced Energy Usage

- Large, slow running airend
- Eliminates transmission energy losses
- Increases bearing life
- Flexible, easily removable coupling element



## PREMIUM DISCHARGE BEARINGS

### Longer Bearing Life/Quieter Operation

- The "PSKK" series direct drive air ends use four discharge bearings to absorb radial and axial loads
- Longer bearing life under all operating conditions
- Increased load-carrying capacity

## 'PSKK' SERIES AIR END

### Maximum Output with Less Energy Usage

- Asymmetric 5 / 6 rotor profile with 100% SKF bearings
- KAPP Grinder rotor technology for tighter clearances and improved lubrication
- Flanged motor adapter ensures perfect coupling alignment

## Additional Features & Benefits

- Rabbit fit housing to adapt the motor driver to the gas compressor airend eliminating any field alignment challenges or drive coupling misalignment concerns.
- ASME coded inlet scrubber with auto dump system at standard.
- Vane pack/mesh pack combination maximizing the inlet scrubber efficiency minimizing contamination of the gas compressor.
- 3 stage Tangential oil separation minimizing gas compressor oil carryover downstream into the sales line. Oil stays in the gas compressor where it belongs.
- Direct driven (1:1 ratio) motor and airend eliminating all gears while operating at the slowest speeds (rpm) in the industry.
- Class 1 Div. 2 Group C & D skid. (starter panel mounted remotely)
- Heavy Duty Skid Frame with Environmental Containment pan
- Oversized oil & gas heat exchangers minimizing maintenance & increasing reliability
- Experiencing 99% + uptime
- Stainless Steel Hoses / Tubing

## Available Options:

- » Customizable packages
- » Class 1 Div. 2 Group C & D starter mounted on skid
- » Cold weather package
- » DrivelynX (cellular remote monitoring system) Asset Maintenance, Remote Troubleshooting & Optimization

Compressor oil  
Cooler/Aftercooler

Stainless Steel  
Hoses/Tubing

# Electric Driven Motor



Class 1 Div 2  
Junction Box

Oil & Gas  
Separator/Reservoir

Heavy Duty  
Environmental  
Oil Field Skid

Maximum Inlet Pressure - 10 PSIG									
Maximum Discharge Pressure - 200 PSIG									
Model	Power		Drive	Type	Flow Rate				Weight
	HP	KW			@ 0 psig suction	Length	Width	Height	Lbs.
RAW-15	15	11	Direct	Coupled	89 MSCFD	6'-0"	6'-0"	10'	2000
RAW-20	20	15	Direct	Coupled	112 MSCFD	6'-0"	6'-0"	10'	2200
RAW-25	25	18	Direct	Coupled	173 MSCFD	7'-0"	6'-0"	10'	2350
RAW-30	30	22	Direct	Coupled	174 MSCFD	7'-0"	6'-0"	10'	2400
RAW-40	40	30	Direct	Coupled	284 MSCFD	7'-0"	6'-0"	10'	2500
RAW-50	50	37	Direct	Coupled	345 MSCFD	7'-0"	6'-0"	10'	2700
RAW-60	60	45	Direct	Coupled	416 MSCFD	9'-6"	6'-0"	10'	5500
RAW-75	75	55	Direct	Coupled	505 MSCFD	9'-6"	6'-0"	10'	6500
RAW-100	100	75	Direct	Coupled	643 MSCFD	9'-6"	6'-0"	10'	8500
RAW-125	125	90	Direct	Coupled	860 MSCFD	11'-6"	7'-0"	10'	8750
RAW-150	150	110	Direct	Coupled	1.04 MMSCFD	11'-6"	7'-0"	10'	9750
RAW-200	200	150	Direct	Coupled	1.2 MMSCFD	11'-6"	7'-0"	10'	10750
RAW-250	250	185	Direct	Coupled	1.7 MMSCFD	14'-6"	7'-0"	10'	12750
RAW-300	300	220	Direct	Coupled	2 MMSCFD	14'-6"	7'-0"	10'	15000

**NOTES:**

Performance is stated at 0 psig inlet, 68 degrees F inlet, 300 ft elevation and 1 specific gravity.



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