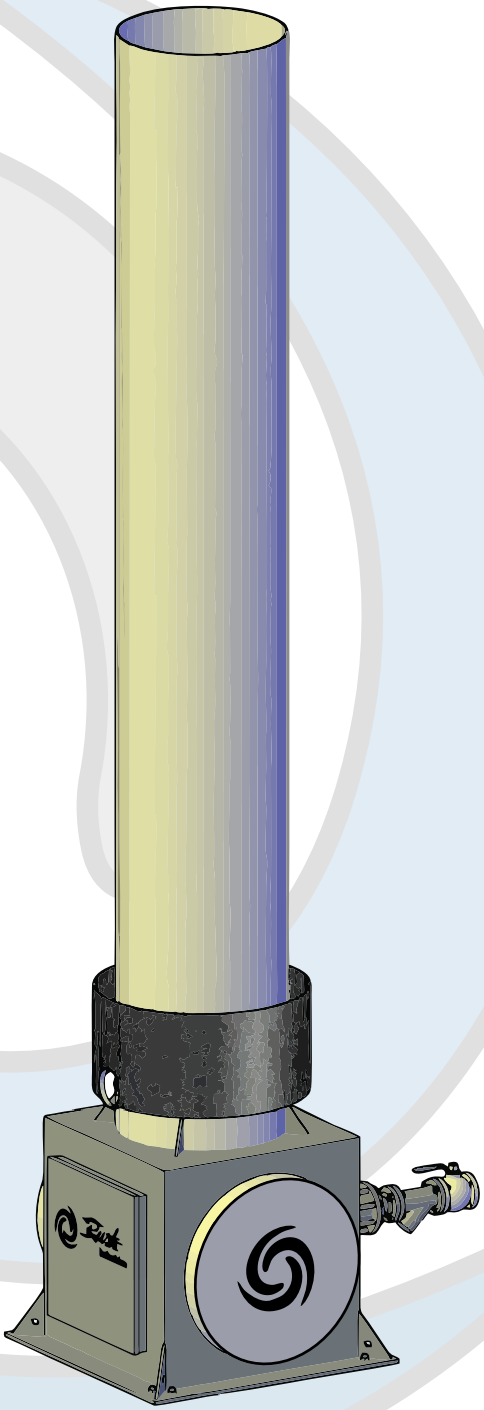
# BGR-LP Combustor

Rush Industries
A Division of ClearRushCo.

## Model: BGR - 36LP



(See product specification sheet on reverse)

The BGR-36LP is a high volume, low cost vapour combustor designed to destruct volatile organic compounds (VOCs) produced from casing gas, oil storage tanks, or compressor vents. The combustor eliminates the need to install expensive vapour recovery units (VRU) or large incinerators.

The design of the BGR LP Combustor allows for reduced spacing of 10m from existing equipment.

The high efficiency burner inside the combustor chamber provides low pressure continuous burning capabilities, high combustion efficiency, low emissions, reduced odours, no visible flame, and increased flame stability with excellent turndown ratios for low pressure applications.

## Approvals

AER Directive 60 & Saskatchewan S 20

BMS Controller CSA approved for Class I Div 2 location

CSA B149.3-25

C22.2 No 199-M89

E60730-1-2013, ANSI Z21.20-2014

CAN/CSA C22.2 No. 60730-2-5-2014 Compliant, meets NFPA standards

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Clear Rush Co.
Box 1898, 5406 Township Road 325B
Sundre, AB T0M 1X0
Canada

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| Combustor Features |
|---|
| Destruction removal efficiency greater than 99.9% and meets the requirements of AER Directive 60 & Saskatchewan S 20 |
| 36" x 20' high stainless steel fire tube |
| Unique design allows for reduced spacing of 10m |
| Main Low pressure burner volume up to 100,000 scf/d or 2831 $m^3/d$ |
| Operating pressures as low as 0.09 psi or 1.5 $oz/in^2$ |
| Able to handle intermittent flows easily |
| No visible flame |
| Excellent turndown ratio |
| Heat shield for operator`s safety |

| Controller Features |
|---|
| CSA approved ACL3200 or CSC400 Ignition Control System (meets CSA B149.3-25) |
| Monitors and controls combustion |
| Remote Stop and Start |
| Auto re-light, continuous trial for ignition |
| Solar operated 12/24VDC (optional Rush Power available) |
| Thermocouple and thermowell for temperature sensing and monitoring (optional) |
| Data logging & acquisition capabilities |
| Modbus communication capabilities built in |

| Burner Features |
|---|
| Full stainless steel burner |
| Extremely stable at wide range of flow rates, down to 1.5$oz/in^2$ |
| No flame lift-off or impingement |
| Reduced emissions (low Nox, and low CO) |

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