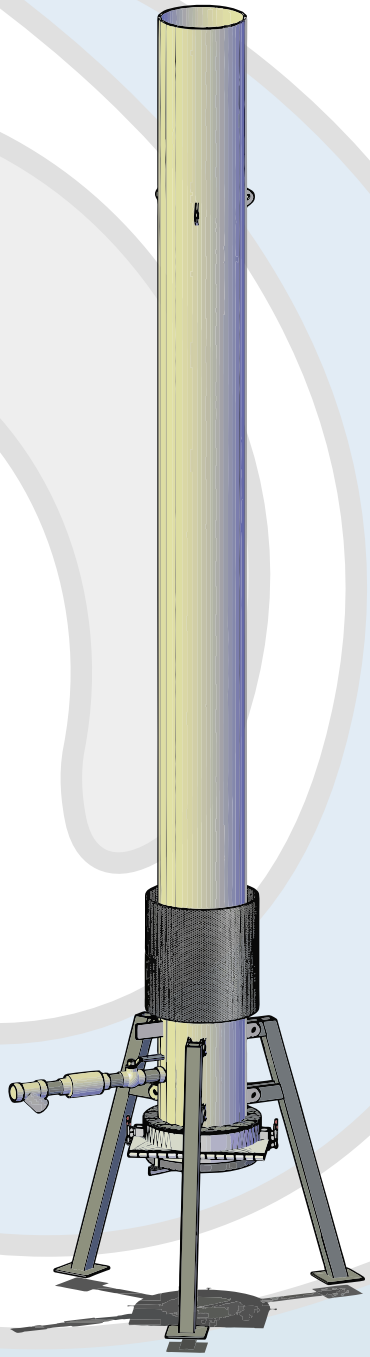
BGR-LP Combustor

Rush Industries
A Division of ClearRushCo.

Model: BGR - 18LP Eco



(See product specification sheet on reverse)

The BGR-18LP is a highly versatile, low cost vapour combustor designed to destruct volatile organic compounds (VOCs) and BTEXs produced from casing gas, oil storage tanks, or de-hys. 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

Meets or exceeds the US EPA NSPS 40 Subpart 0000 (Quad "O")

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.
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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 and US EPA NSPS 40 Subpart 0000 (Quad “O”)
18" x 20' high stainless steel fire tube
Unique design allows for reduced spacing of 10m
Low pressure burner volume up to 20,000 scf/d or 566 m^3/d
Operating pressures as low as 0.09 psi or 1.5 oz/in^2, up to 1.5psi
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 1.5oz/in^2
No flame lift-off or impingement
Reduced emissions (low NOx, and low CO)

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