

MODEL: G20A13

AIR ASSISTED FLARE

FULLY OOOOb/c
COMPLIANT

Flare Stack

- 20' tall overall height
- Skid mounted
- Guy wire supported
- Carbon stack / Blasted / Painted

Flare Tip

- High Pressure (HP) / Low Pressure (LP) tip design
- Air assist flare technology
- 304 stainless steel
- OOOOb/c compliant tip velocities

Pilot Technology

- Pilot Retraction System
- 100% stainless steel construction
- High Energy Ignition (HEI)
- Propane and natural gas compatible

Standard Controls

- Continuous pilot monitoring
- Automatic pilot relight
- MODBUS TCP / IP interface
- Intuitive controls and text display
- Local & remote pilot indication
- Optional pilot data logging

Blower

- 1 HP blower
- Motor Starter Panel
- Remote start / stop contacts
- 120VAC single phase motor
- Backdraft prevention damper
- Blower shipped loose – field assembly

Required Site Utilities

Pilot Gas: Natural Gas: 55 SCFH @ 18 psig OR Propane : 25 SCFH @ 9 psig

Electrical: 120VAC Single Phase

Instrument Air / Gas: Not required

FLARE Model: G20A13 - Specification Sheet

DESIGN SPECIFICATIONS

Maximum Low Pressure (LP) Flow Rate:	150	MSCFD
LP Net Heating Value (NHV):	2,400	BTU/SCF
LP Molecular Weight :	44	LBMOL
Flare Technology:	Air Assist	
Blower Rating:	1	HP
Maximum Blower Flow Rate:	350	SCFM

RADIATION PERFORMANCE

Wind Speed:	20	MPH
LP Maximum Radiation @ Grade Level:	300	MMBTU/HR-FT ²
HP Maximum Radiation @ Grade Level:	700	MMBTU/HR-FT ²

OOOb/c COMPLIANCE

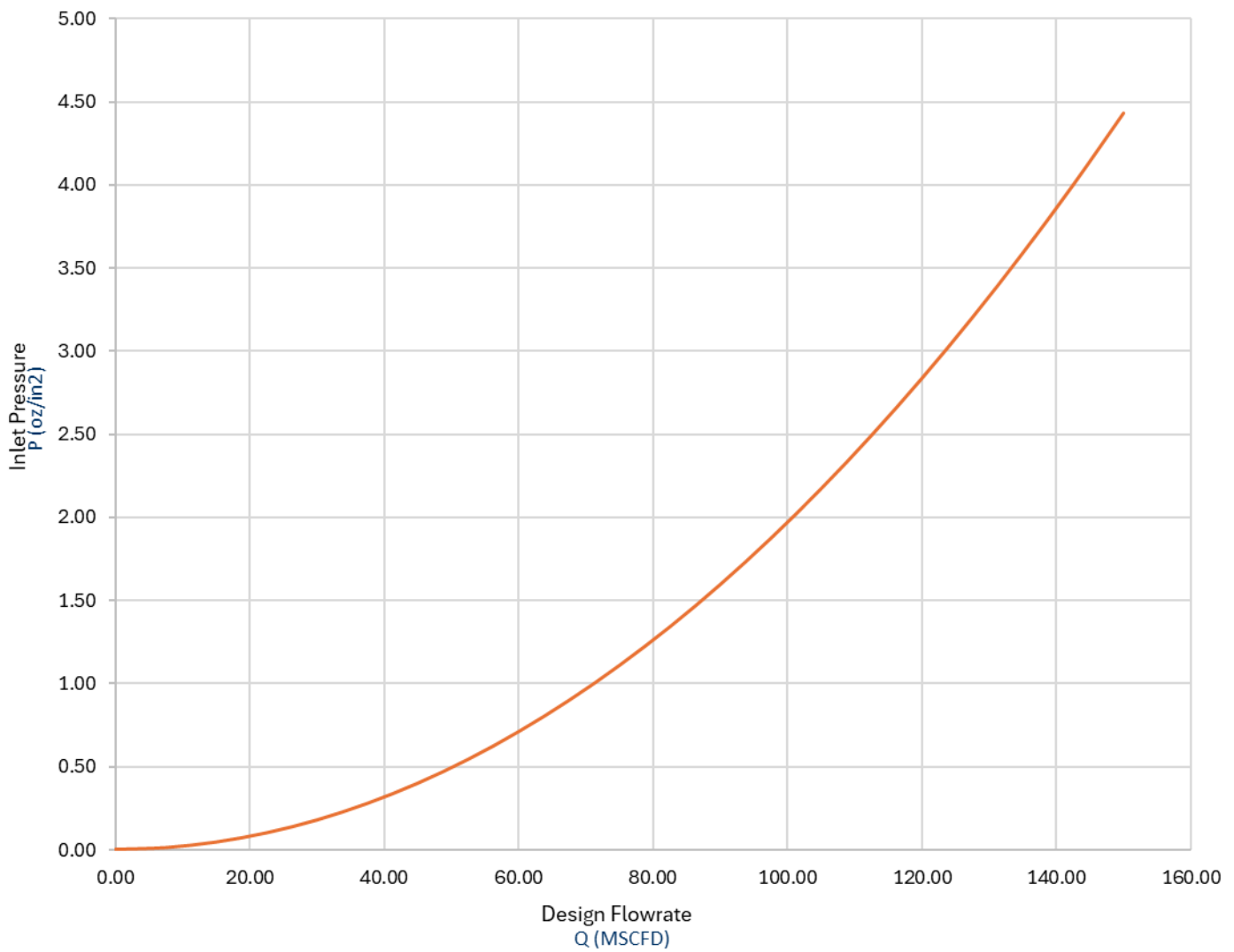
Guaranteed Destruction Efficiency (DRE):	95	%
Expected Destruction Efficiency (DRE):	98	%
Smokeless Capacity Per Method 22:	100	%
LP Maximum Smokeless Capacity Per Method 22:	150	MSCFD
Minimum Design Flow Rates:	See Note 1	
Pilot:	Continuous	
Pilot Monitoring:	Thermocouple	
Remote Pilot Status:	Yes	
Pilot Datalogging:	Optional	



PERFORMANCE GUARANTEE NOTES

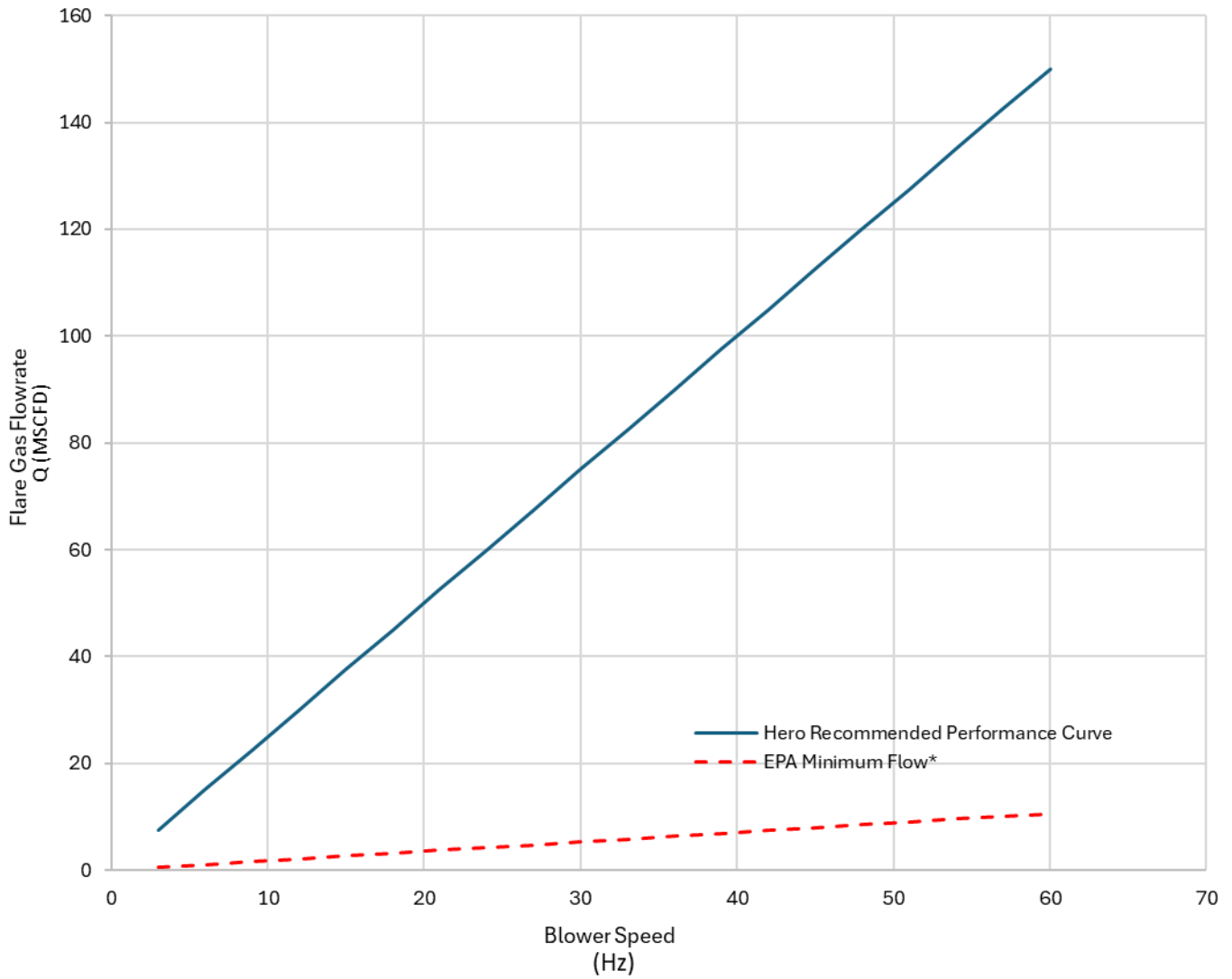
1. To comply with the EPA minimum flow rate (calculated as per § 63.670 for NHVdil > 22 Btu/ft²), the waste gas flow for a 2,400 Btu/scf gas must be above approximately 10 MSCFD.
2. Designed in accordance with the velocity and NHV specifications defined in §60.5412b(a) for air assist flares.
3. As per the definitions of §63.641, this model is classified as a perimeter assist flare.

Flow Rate vs Pressure (LP)



Curves above do not include flame arrestor.

FLARE Model: G20A13 – Minimum Flow vs Blower



*EPA Minimum Flow Rate Calculated as per § 63.670 for NHVdil > 22 Btu/ft2