


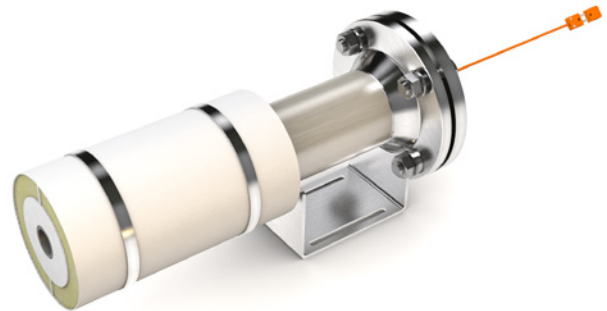
## KANTHAL® FLOW HEATER KFH2-11-400 HEATING GASES UP TO 1100°C

### TECHNICAL SPECIFICATION

#### SPECIFICATIONS

##### GENERAL

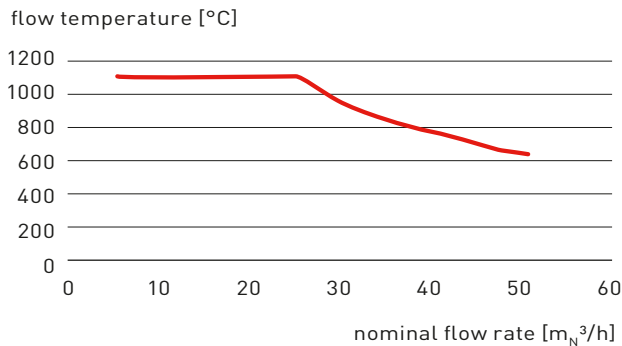
Model	KFH2-11-400		
Article Number	DFH100205 / DFH100206		
Directive	Low Voltage Directive 2014/35/EU		
 European Community	DIN EN 60519-1		
	DIN EN-60335-1		
Usage ambient temperature	0...40 °C		
	32...104 °F		



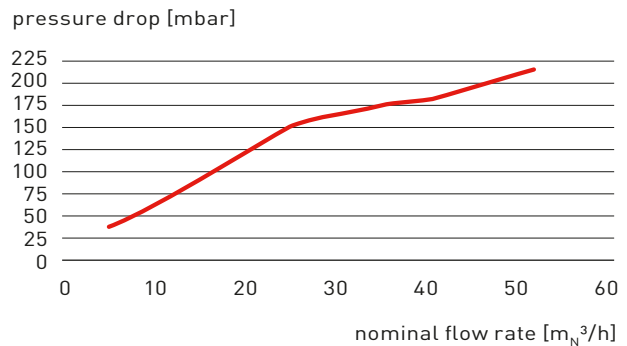
##### FLOW AND HEAT DETAILS

Gases and max. outlet temperature	Air (dry, clean)	1100 °C	2012 °F
	Nitrogen	1000 °C	1832 °F
	Argon	900 °C	1652 °F
Maximum inlet temperature		50 °C	122 °F
Nominal flow rate (air)	30 kg/h	25 m <sup>3</sup> /h	417 slm    14.7 cfm
Minimum flow rate (air)	6 kg/h	5 m <sup>3</sup> /h	83 slm    3 cfm
Maximum flow rate (air)	60 kg/h	50 m <sup>3</sup> /h	834 slm    29.4 cfm
Pressure drop (at nominal flow rate)	16 kPas	155 mbar	2.3 psi
Maximum operating pressure	150 kPas abs	1.5 bar abs	22 psi abs


##### OUTLET TEMPERATURE IN CLEAN AIR

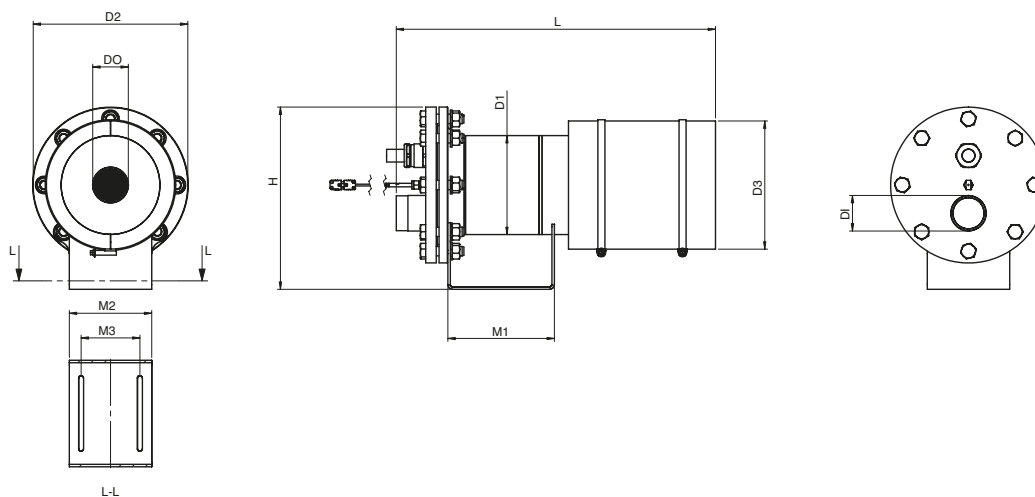


##### PRESSURE DROP IN CLEAN AIR



## ELECTRICAL DETAILS

Nominal Voltage supply	400 V	3L
Nominal Line Current	16 A	
Nominal Power	11 kW	
Power Cable	4G2.5 mm <sup>2</sup>	2.5 m
Recommended Power Control	PID control with fast reaction parameter settings and thyristor switch	
Protection Class		1
Type of load	Ohmic	
Thermocouple	Type S, miniature connector 2-pole	



## MECHANICAL DETAILS

	L	H	D1	D2	D3	M1	M2	M3
Dimensions	495 mm	220 mm	88.9 mm	190 mm	140 mm	151 mm	100 mm	75 mm
Flow Inlet	R3/4" (external thread)			D1 Ø26.9 mm				
Flow Outlet	1"			DO Ø33.4 mm				
Weight	14.2 kg							

## SPARE PARTS

DESCRIPTION	ARTICLE NUMBER
Insulation set with clamps	DFH400096
Nozzle Insulation	DFH400094