Air Sheathed Plug Heaters / Small Hot Air Generators

Heat Resistant Duct Hoses for Hot Air Generating Units



Heat Resistant Duct Hoses for Hot Air Generating Units Туре Annlicatio Low Particle Alum HOCTD For Free Generation Type Plumbing HOTD Heat-Resistant Type Speci HOTDS Heat-Resistant Type HOTDH Heat-Resistant Type For Fixed HOTDK Plumbing Heat-Resistant Type leat Resistant, Heat HOTDA Retention Type Hose Length HOCTD P HOTD HOTDS HOTDH RoHS10

Part Number		Hose Length	Hose I D	_	_	Allowable Pressure	Allowable Decompression	Reference	Allowable Bending Badius
Туре	No.	0.1 m Increment	(Reference) (mm)	D	Р	Range (MPa)	(Ambient Temp.) (kPa)	Mass (g/m)	(mm)
HOCTD Low Particle Generation Type	50	0.5–5	51	54.5	20	0~0.007	-8.5	370	120
	75		76	80	20		-7	530	160
	100		102.5	106	23		-6.5	640	210
	125		127.5	131	23		-6.5	770	250
	150		152	155	23		-6	945	300
	50	0.5–5	51	54.5	20	0~0.007	-8.5	360	110
HOTD Heat Resistant Temperature 250°C Type	65		67	71.5	20		-8	480	140
	75		76	80	20		-7	525	160
	90		91	94.5	23		-6.5	545	190
	100		102.5	106	23		-6.5	635	210
HOTDS Heat Resistant Temperature 180°C Type	50	0.5–5	51	54.5	20	0~0.007	-8.5	405	110
HOTDH Heat Resistant Temperature 450°C Type	50	0.5–2	52.5	56	20	0~0.007	-10.5	365	170
	65		67	71.5	20		-10	460	210
	75		76	80	20		-10	525	240
	90		91.5	95	23		-9	570	290
	100		102.5	106	23		-8	635	320
HOTDK Heat Resistant Temperature 600°C Type	50	0.5–4	51.2	56.8	—	0~0.027	-27	220	75
	65		66.2	71.8	—		-27	280	98
	75		76.2	81.8	—		-27	320	113
	80		81.2	86.8	—		-27	340	120
	100		101.7	107.3	_		-27	420	200
HOTDA Heat Insulating Layer Coated Type	50	0.5–2	50.9	107	4.1	0.009	-9	470	200
	75		75.9	132	4.1	0.007	-7.2	590	300
	100		101.4	157	4.1	0.006	-6	720	400

Part Number Example

Part Number Hose Length HOTDK50 3.2

Elastic, and can be fixed at any angle or in any direction. (Do not stretch/release the hose repeatedly.)

Aluminum Glass Cloth Sheets are highly flame-resistant. (Flame Retardant Class 1-certificated)

Hoses have no tightness.

Application of HOTD (for Non-Fixed Plumbing)

Application of HOTDS (for Fixed Plumbing)

Flexible and easy to store and transport. Special Coating Glass Clothes used for the products are highly elastic and flame resistant.

(Flame Retardant Class 1-certificated) Hoses have no tightness.

Hoses have no tightness.



📌 MiSUMi

heaters

Gas	Applicable or Not	Cautions / Uthers		
Air / Oxygen	Excellent	Avoid large amounts of oil mist or water.		
Nitrogen / Argon	Good	All inert gases are applicable, but they will decrease the life span of the product.		
Hydrogen	Acceptable	Igniting occurs if the gas is exposed in the air at temperature 600°C or more.		
Water Vapor	Acceptable / Poor	Letting the heat generator wet will cause breakage.		
Town Gas / LPG	Poor	After thermal decomposition, carbon adheres to a heat generator.		

O Check the air blasting before applying a voltage. Do not use without air blasting. After turning off the small hot air generator, please keep the compressed airflow for 3 min or more for the sake of safety. Then stop air blasting when the temperature of the hot air is lower than 50°C.

O Quartz glass is used on the body. Do not apply an impact. O The body and case get high temperature during the operation. Do not touch them.

It will cause burn injury.

O Voltage and electric power should be set lower than the rated values. Do not exceed max operating temperature (800°C).

There's more on the web: misumiusa.com

	Operating Temp. Range (°C)	
Main Body	Others	
ninum Polyester Cloth	Reinforcement Spiral: Zinc Plating	-20–130°C
ial Coating Glass Cloth	Reinforcement Spiral: 304 Stainless Steel	-20-250°C
uminum Glass Cloth	Reinforcement Spiral: Low Carbon Steel (Zinc Plating)	-20–180°C
04 Stainless Steel	Reinforcement Spiral: 304 Stainless Steel	30-450°C
04 Stainless Steel	Reinforcement Spiral: 304 Stainless Steel	-600°C
Aluminum	Reinforcement Spiral: Glass Fiber	-30-200°C



HOTDA



P ||

Heaters / Temperature Con Insulating Plates

Application of HOTDH (for Fixed Plumbing)

Though designed for fixed plumbing, it can form curved portions. (Do not stretch/release the hose repeatedly.)

Application of HOTDA (for Fixed Plumbing)

Requires no heat retention after installation, and thus, shortens work period. O Hose length refers to the length when the hose is stretched without tensile load. (The allowable pressure is the maximum design pressure. The allowable reduction pressure is the maximum negative pressure that can be applied to the hose under ambient temperature. Above range is for Hose Body only. Use data as reference.) O Use two hose clamps for each installation location to secure the hose