

Side Wall Power Venters

HS-Series Power Venters

Use to Side Wall Vent non-condensing gas and oil heating equipment that otherwise would require a conventional roof top terminated chimney. Eliminate roof penetrations, install heaters in places without chimney access and overcome negative building pressures. Permanently lubricated motors and aluminized steel housings. UC1 interlock control and fan proving switch included with all models. Adjustable pre/post purge, LED status indicators and fault code memory. Interlock with any 24 Volt or 120 Volt control circuit. Use model WHKE for millivolt heaters and models MAC1E or MAC4E for interlocking multiple heaters.



See Power Venter Ref. Guide

	Inlet/Outlet Diam.	Vent Diam.	MBTU/Hr. Input	Max. Vent Length @		
				300°F Gas Fired	400°F	500°F Oil Fired
HSJ	4"	4"	25-100	100'	100'	100'
HS1	4"	4"	100-150	100'	60'	35'
		4"	200	87'	57'	27'
		6"	150-200	100'	100'	100'
		6"	250	100'	92'	---
HS2	6"	6"	300-450	100'	100'	67'
		6"	500	100'	72'	---
HS3	8"	8"	500-600	100'	100'	---
HS4	8"	8"	700-900	100'	100'	---
		10"	900-1,100	100'	100'	---
HS5	10"	10"	1,100 -1,600	100'	100'	---
		14"	1,600 -1,825	100'	100'	---



HSJ, HS1 & HS2



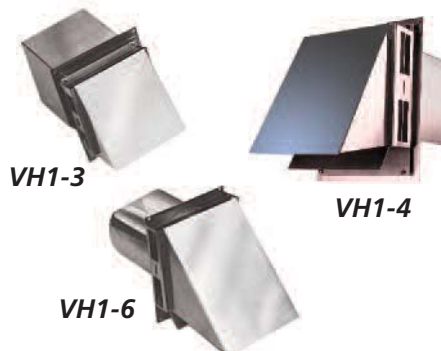
HS3, HS4 & HS5

This table is for general reference only. Refer to complete selection table in Side Wall Power Venter Reference Guide for sizing details.

VH1-Series Side Wall Vent Hoods

Use with HS-Series Power Venters or with any other non-condensing side wall terminated vent. Commercial grade 5052 aluminum construction is corrosion resistant. Models VH1-3 & 4 have built in clearance from combustibles. Mounting hardware included.

	Inlet Diameter	Rough-in Dimension
VH1-3	3"	6 3/4" Square
VH1-4	4"	8" Square
VH1-6	6"	9" Round
VH1-8	8"	8 1/2" Round
VH1-10	10"	10 1/2" Round



VH1-10



VH1-8

Side Wall Power Vent Systems

SideShot® Series Vent Systems for Oil Fired Heaters

Use to Side Wall Vent non-condensing oil fired boilers, water heaters and furnaces that otherwise would require a conventional roof top terminated chimney. Built-in interlock control with redundant high limit safety switch interfaces easily with thermostat, aquastat or primary controls. Adjustable pre & post purge timing and easy fault code retrieval. Stainless steel construction in all critical components including outdoor terminus. Patented design jets flue gases away from the outside wall to eliminate potential staining of siding. Model SS2 features slide out service drawer and material handling stainless steel impeller.



SS2 & SS1

	Natural & LP Gas	Flame Retention Oil Burner	Max. Vent Length in Equivalent Feet
SS2	40,000 – 125,000 BTU/Hr.	70,000 – 168,000 BTU/Hr.	50
SS1	50,000 – 160,000 BTU/Hr.	70,000 – 220,000 BTU/Hr.	50
SS1C	N/A	50,000 – 315,000 BTU/Hr.	50

GPAK-Series Side Wall Vent Systems for Fan Assisted Gas Heaters

Use to Side Wall Vent 80+ Fan Assisted furnaces & boilers that otherwise would require a B-vent roof terminated chimney. Kit includes Power Venter with UC1 interlock control, 4" draft control and model VH1-4 vent termination hood.



GPAKJ & GPAK1

	Vent Pipe Diameter	Btu/Hr. Input	Max. Vent Length in Equivalent Feet
GPAKJ	4"	45,000 – 120,000	60
GPAK1	4"	120,000 – 150,000	60

Tjernlund Also Offers Specified Systems

Intelligent modulating draft, exhaust and combustion air systems adapt to changing conditions for precise control of exhaust and ventilation processes.



Constant Pressure Controller

VP-Series Millivolt Water Heater Side Wall Vent Kits

Use to Side Wall Vent millivolt gas water heaters that otherwise would require a conventional roof top terminated chimney. Works with all water heater brands of all ages. Includes power venter with low voltage control cable and 6' power cord, interlock controls and vent termination hood.



VP-2F & VP-3F

VP-2F
VP-3F

	Capacity in BTU/Hr.	Max. Vent Length in Equivalent Feet	Vent Diameter
	Up to 60,000	75'	3"
	60,000 to 120,000	75'	4"

In-Forcer™ Powered Combustion Air Intakes

Combustion Air In-Forcers

Use to provide a fan powered supply of combustion air to mechanical rooms. Reduce wall opening size by up to 80% compared to standard louvers. Residential models PAI-2G/2O include a screened PVC intake elbow and temper delivered air by mixing with room air prior to discharge. Model PAI-2G has 24 Volt interlock and power cord. Model PAI-2O has 120 Volt interlock. Commercial models PAI-4, PAI-6, PAI-7 include low profile hood suitable for rooftop or a side wall intake. Duct outdoor air up to 100 feet. All include a fan proving pressure switch and outdoor air pre-filter. Use UC1 and MAC-Series interlocks to conform to mechanical codes for fan powered combustion air.



See In-Forcer
Video



PAI-2G & PAI-2O



PAI-4, PAI-6 & PAI-7

PAI-2G
PAI-2O
PAI-4
PAI-6
PAI-7

	Max. Btu/Hr. Gas Draft Hood	Max. Btu/Hr. Fan Assisted or Power Burner	Max. Btu/Hr. Oil Fired Flame Retention	Max. CFM
	150,000	280,000	N/A	80
	N/A	N/A	260,000	80
	450,000	850,000	775,000	250
	1,300,000	2,500,000	2,300,000	680
	2,100,000	3,700,000	3,700,000	1175

This table is for general reference only. Refer to complete selection table in In-Forcer literature or instructions for details.

Tjernlund Specified Systems are proven performers in a wide range of commercial and industrial buildings throughout North America.



Auto-Draft®
Induced Draft
Systems



Combustion Air
or Draft Universal
Blowers



Combustion and
Supply Air Blowers