

HLV SERIES

by Detroit Radiant Products Co.

GAS-FIRED, LOW INTENSITY, ENGINEERED VACUUM SYSTEM

RE-VERBER-RAY

®



*The Most
Advanced
Infra-Red
Heating
System
in the
Industry!*

ADVANCED SYSTEM FEATURES

- Single or two-stage operation.
- Two-stage operation with a 20% reduction for low fire.
- Flexible design allows six or more high BTU burners per system.
- Independent combustion air for each burner.
- Advanced burner design does not require the use of combustion air filters.
- Multiple heat exchanger tube options.
- Most reliable 304 grade stainless steel condensing tailpipe.
- Spark resistant cast aluminum vacuum pump.
- Prewired vacuum pump with thermal overload.
- Hot surface ignition.
- Self-diagnostic circuit board.
- Operational Indicator lights.

HLV

SV

-SS

LS

LD

ADVANCED SYSTEM FEATURES

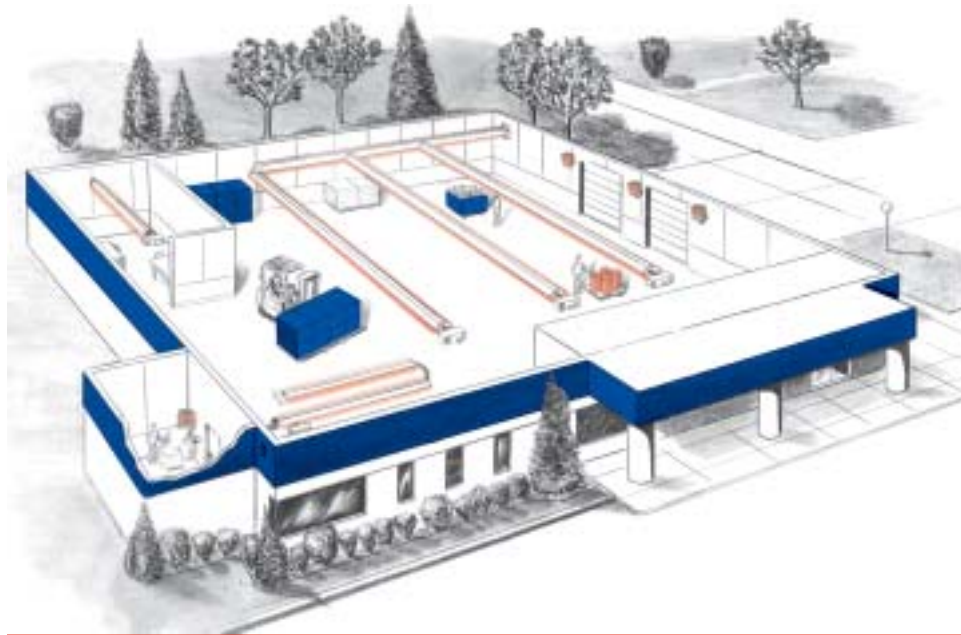
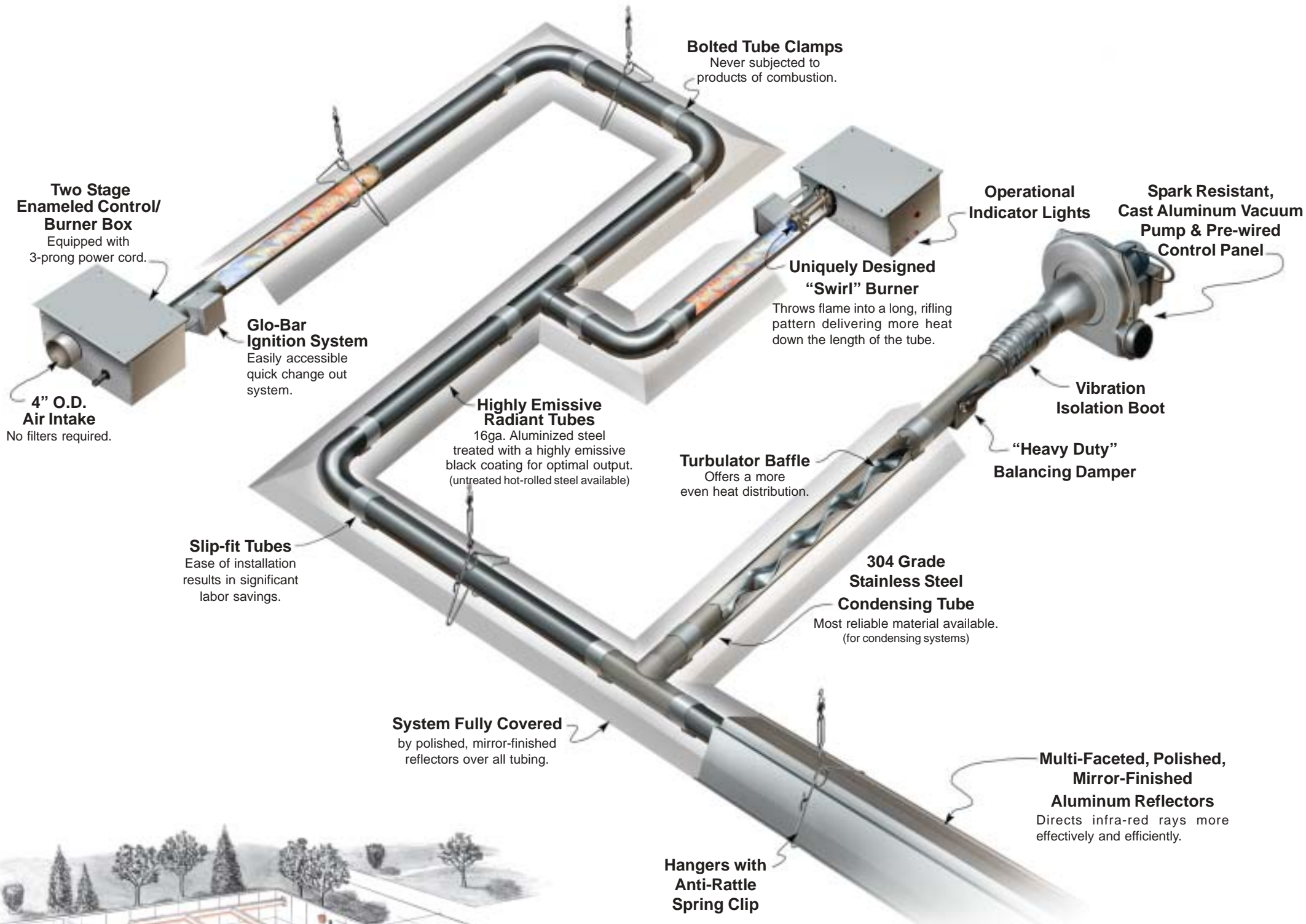
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HLV SERIES SPECIFICATIONS

PRODUCT SPECIFICATIONS

Burner BTU Range:	50-200 MBTU/H
Lengths:	Varies on System
Gas Type:	Natural or Propane
Radiant Tubes:	Black Coated Aluminized or Uncoated Hot-Rolled Steel
Combustion Chamber:	Black Coated Titanium (TR-C)
Condensing Pipe:	304 Series Stainless Steel
Certification:	CSA, IAS
Warranty:	See below

OPTIONAL EQUIPMENT

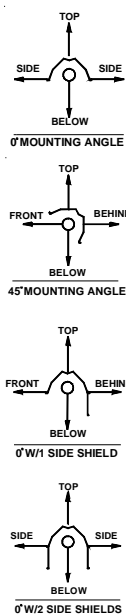
Stainless Steel Upgrades:	Available (reflectors, control box and radiant tube)
24V Controls:	Standard
Indicator Lights:	Standard
Protective Guards:	Available (PG)
Side Shield Extensions:	Available (SSE)

ELECTRICAL	CONTROLS	GAS CONNECTION	GAS PRESSURES	IGNITION / SENSE
<ul style="list-style-type: none"> 120V, 60Hz. GRD, 3-wire. 0.7A starting per burner. 0.2A running per burner. Refer to IOM for Pump Data. 	<ul style="list-style-type: none"> Self-diagnostic circuitry. 100% safety shut off. 24V input. Pre-wired control panel. 	<ul style="list-style-type: none"> 7/8" flare male NPT. 304 stainless steel flex connector included. 1/2" female NPT gas cock provided. 	<ul style="list-style-type: none"> MAN: 3.5"Nat. or 10.0"LP MIN: 5.5"Nat. or 11.0"LP MAX: 14.0"Nat. or 14.0"LP 	<ul style="list-style-type: none"> Hot Surface Ignition. Flame rod sense.
VENTING	TUBE CONSTRUCTION	REFLECTORS	COMBUSTION AIR	VACUUM PUMP
<ul style="list-style-type: none"> Single wall aluminum flue pipe. "B" vent required through combustible penetrations. Venting options for roof or sidewall available. 	<ul style="list-style-type: none"> As shown above. Stainless steel condensing tube (10SST, SST-60). (Condensing Systems) 4"x10' 16ga. construction. Labor saving, interlocking swaged tube design. 	<ul style="list-style-type: none"> Highly Polished Aluminum. 0° to 45° rotatable angle. 	<ul style="list-style-type: none"> Equipped for ducted air intake from roof or sidewall. Optional powered air intake. 	<ul style="list-style-type: none"> Spark resistant cast aluminum housing. TEFC motor. Heat slinger on motor shaft for cooler operation. Wheel with taper lock hub.

AVAILABLE HLTV MODELS & CLEARANCES TO COMBUSTIBLES

QTY.	MODEL #	GAS*	HIGH FIRE INPUT (BTU/H)	LOW FIRE INPUT (BTU/H)	RECOMMENDED MOUNTING HEIGHTS
	HLV-50 [†]		50,000	50,000	9' - 15'
	HLV-60		60,000	50,000	10' - 16'
	HLV-75		75,000	60,000	12' - 18'
	HLV-80		80,000	64,000	12' - 18'
	HLV-90		90,000	72,000	13' - 20'
	HLV-100		100,000	80,000	13' - 20'
	HLV-110		110,000	88,000	14' - 22'
	HLV-120		120,000	96,000	14' - 24'
	HLV 125		125,000	100,000	14' - 24'
	HLV-140		140,000	112,000	15' - 25'
	HLV-150		150,000	120,000	15' - 27'
	HLV-170		170,000	136,000	16' - 30'
	HLV-175		175,000	140,000	16' - 30'
	HLV-180		180,000	144,000	17' - 34'
	HLV-200		200,000	160,000	18' - 40'

* Specify natural (N) or propane (LP) gas.
[†] The HLV-50 does not have a reduction for low-fire.



MODEL NO.	MOUNTING ANGLE	SIDE		TOP	BELOW
		FRONT	BEHIND		
HLV 50 (N,P)	0°	9	9	4	47
	45°	39	8	10	47
	0°	29	8	4	47
	0°	9	9	4	47
HLV 60 - HLV 75 (N,P)	0°	9	9	4	48
	45°	39	8	10	48
	0°	29	8	4	48
	0°	9	9	4	48
HLV 80 (N,P)	0°	11	11	4	48
	45°	39	8	10	48
	0°	29	8	4	48
	0°	16	16	4	48
HLV 90 (N,P)	0°	12	12	4	54
	45°	39	8	10	54
	0°	29	8	4	54
	0°	16	16	4	54
HLV 100 (N,P)	0°	14	14	4	66
	45°	39	8	10	66
	0°	29	8	4	66
	0°	16	16	4	66
HLV 110 - 125 (N,P)	0°	18	18	4	72
	45°	58	8	10	72
	0°	42	8	4	72
	0°	20	20	4	72
HLV 140 - HLV 150 (N,P)	0°	24	24	6	81
	45°	58	8	10	81
	0°	42	8	6	81
	0°	30	30	6	81
HLV 170 - HLV 175 (N,P)	0°	34	34	6	92
	45°	63	8	10	92
	0°	50	8	6	92
	0°	30	30	6	92
HLV 180 - HLV 200 (N,P)	0°	41	41	6	94
	45°	63	8	10	94
	0°	54	8	6	94
	0°	30	30	6	94

WARRANTY INFORMATION

- 1 year- Burner box & exhauster components.
 - 1 year- Vacuum pump.
 - 3 years- Combustion & hot-rolled radiant tubes.
 - 5 years- Combustion & aluminized radiant tubes.
 - 10 years- Burner.
- Note:** DRP offers a full, non-prorated limited warranty.

CONTACT US



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