



HIGH INTENSITY PACKING LIST

Heaters & Accessories

Effective 9-1-2020

To be used in conjunction with Controls Packing List.

All orders are subject to acceptance by Detroit Radiant Products Company, Warren, Michigan at prices in effect at date of shipment. All prices are F.O.B. Warren, Michigan. All state, federal, or municipal taxes in effect at the time of shipment or imposed at any future time on our products shall be the responsibility of the customer. We reserve the right to change specifications on our products without prior notice to the customer.



DR90 NFS-2 SHOWN

The key symbols below and found within designate the following:

SYMBOL	DESCRIPTION
†	UPS packages are charged dimensional, not physical weight.
Items in [****]	DRP product coding. For internal use only.

Shipping Weight Notation: Shipping weight is shown for each item.

The per item weight will typically be less when packaging multiple items on one order.

Replacement parts can be found at www.reverberray.com/shop.



GAS-FIRED, HIGH INTENSITY, LUMINOUS INFRARED HEATERS

DR SERIES ORDERING INSTRUCTIONS

Note: Flexible gas connector and ball valve sold separately.

Example: DR60NFS-2 120V

DR
DR

BTU
60

Gas/Ignition Type
NFS-2
Natural (N)
Propane (P)

Voltage
120V






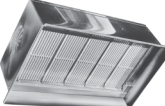
120V
25V
N/A for MV-2

FS-2
(Direct spark ignition,
100% shutoff)

¹MV-2
(Manual ignition,
constant pilot, 100%
shutoff, self energizing)

¹ Includes RK-130 thermostat and 35' of wire. Millivolt models are not for use in high wind applications.

SPECIFICATIONS, CONTROL OPTIONS, & QUANTITIES

MODEL NO.	BTU/h		SUGGESTED MOUNTING HEIGHTS	SHIPPING WEIGHT	SHIPPING BOX DIMS.	SHIP VIA	QTY.		
	NATURAL GAS	PROPANE GAS					MILLIVOLT NMV-2 PMV-2	120V NFS-2 PFS-2	25V NFS-2 PFS-2
 DR30	30,000	30,000	12' - 14'	25 lbs. Truckline or 44 lbs. UPS [†]	L: 27" W: 15" H: 18"	Truckline or UPS [†]			
 DR30 (S)	30,000	30,000	12' - 14'						
 DR45	45,000	45,000	12' - 14'	35 lbs. Truckline or 60 lbs. UPS [†]	L: 25" W: 22" H: 18"	Truckline or UPS [†]			
DR50	50,000	50,000	12' - 14'						
DR55	55,000	55,000	13' - 15'						
DR60	60,000	60,000	14' - 16'						
 DR75	75,000	75,000	15' - 17'	46 lbs. Truckline or 81 lbs. UPS [†]	L: 28" W: 25" H: 19"	Truckline or UPS [†]			
DR80	80,000	80,000	15' - 17'						
DR85	85,000	85,000	16' - 18'						
DR90	90,000	90,000	16' - 18'						
DR95	95,000	-	17' - 20'						
DR100	100,000	-	17' - 20'						
 DR130	130,000	120,000	21' - 24'	55 lbs. Truckline	L: 35" W: 25" H: 19"	Truckline Only			
 DR160	160,000	145,000	24' - 28'	65 lbs. Truckline	L: 41" W: 25" H: 19"	Truckline Only			

EXTENDED WARRANTY OPTIONS²

STANDARD WARRANTY for all DR Series heaters: Burner(s)-5 years, Controls-1 year.

EXTENDED WARRANTY OPTIONS:








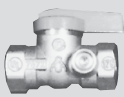

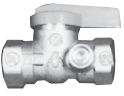

- DR-CWO: DR Series Control Extended Warranty Option (Max. 4 year extension).
DR-CWO @ _____ per year, per heater.
- DR-BWO: DR Series Burner Extended Warranty Option (Max. 5 year extension).
DR-BWO @ _____ per year, per DR-RH (Rayhead). (Ex: A DR90 has three rayheads.)

² Prior approval from the factory is required when quoting extended warranties.

DR SERIES MODELS

DR30NFS-2 120V	DR55NFS-2 120V	DR80NFS-2 120V	DR95NFS-2 120V
DR30NFS-2 25V	DR55NFS-2 25V	DR80NFS-2 25V	DR95NFS-2 25V
DR30NMV-2	DR55NMV-2	DR80NMV-2	DR95NMV-2
DR30PFS-2 120V	DR55PFS-2 120V	DR80PFS-2 120V	DR100NFS-2 120V
DR30PFS-2 25V	DR55PFS-2 25V	DR80PFS-2 25V	DR100NFS-2 25V
DR30PMV-2	DR55PMV-2	DR80PMV-2	DR100NMV-2
DR45NFS-2 120V	DR60NFS-2 120V	DR85NFS-2 120V	DR130NFS-2 120V
DR45NFS-2 25V	DR60NFS-2 25V	DR85NFS-2 25V	DR130NFS-2 25V
DR45NMV-2	DR60NMV-2	DR85NMV-2	DR130NMV-2
DR45PFS-2 120V	DR60PFS-2 120V	DR85PFS-2 120V	DR130PFS-2 120V
DR45PFS-2 25V	DR60PFS-2 25V	DR85PFS-2 25V	DR130PFS-2 25V
DR45PMV-2	DR60PMV-2	DR85PMV-2	DR130PMV-2
DR50NFS-2 120V	DR75NFS-2 120V	DR90NFS-2 120V	DR160NFS-2 120V
DR50NFS-2 25V	DR75NFS-2 25V	DR90NFS-2 25V	DR160NFS-2 25V
DR50NMV-2	DR75NMV-2	DR90NMV-2	DR160NMV-2
DR50PFS-2 120V	DR75PFS-2 120V	DR90PFS-2 120V	DR160PFS-2 120V
DR50PFS-2 25V	DR75PFS-2 25V	DR90PFS-2 25V	DR160PFS-2 25V
DR50PMV-2	DR75PMV-2	DR90PMV-2	DR160PMV-2

COMMON ACCESSORIES

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
 [ACDR] DRCS	5' chain set with 4) "S" hooks. Used for hanging DR Series heaters. Bulldog coil chain, trade size #1, wire gauge 12. Pre-set mounting angle of 30°. One set per heater.	2 lbs.	 [ACCM] 325-3	Maxitrol high pressure regulator, 2 PSI maximum inlet pressure on natural and propane gas. 12" W.C.P. outlet pressure setting, 1/2" x 1/2" NPT, 150,000 BTU/h flow capacity. CSA Design Certified and meets NFPA-54 requirements for vent limiting devices.	2 lbs.
 [ACCM] PLQ	Clearance Safety Limit Sign. 24 Ga. aluminum 10"x7". Sign is designed to be hung or adhered at clearance to combustibles limit. Repeats clearance warnings.	1 lb.	 [ACCM] 325-5	Maxitrol regulator (see above) with 300,000 BTU/h flow capacity. 3/4" x 3/4" NPT. CSA Design Certified and meets NFPA-54 requirements for vent limiting devices.	2 lbs.
 [ACCM] FC-24	Twenty-four inch stainless steel flexible (1/2" I.D.) connector with plated steel fittings. Not for use with gas pressures in excess of 1/2 PSI. Both fittings are 1/2" pipe thread by 1/2" flare thread. Consult local codes for compliance.	2 lbs.	 [ACCM] 325-3 OPD	Maxitrol regulator 1/2" x 1/2" NPT with vent limiting device. 2-5 PSI maximum inlet pressure on <u>natural gas only</u> . Meets ANSI Z21.80 Standard for line regulators.	3 lbs.
 [ACCM] FC-24PVC	FC-24 (see above) with PVC protective coating. For use in high moisture areas.	2 lbs.	 [ACCM] GC-50	Ball valve, 2 PSI maximum pressure, 1/2" x 1/2" FPT, with 1/8" NPT side pressure tap. Fits 30-200 MBH models. CSA certified to: • ANSI Z21.15 (.5 PSIG) • ASME B16.44 (5 PSIG) • CGA CR91 (5 PSIG)	1 lb.
 [ACCM] FC-36	36 in. stainless steel flexible (3/4" I.D.) connector with plated steel fittings. Not for use with gas pressures in excess of 1/2 PSI. Both fittings are 3/4" pipe thread by 1/2" flare thread. NOTE: 1/2" x 3/4" reducer required to connect to heater (field supplied). For use with DR-130 and DR-160 models. Consult local codes for compliance.	3 lbs.	 [ACCM] GC-75	CSA Design Certified ball valve, 2 PSI maximum pressure, 3/4" x 3/4" FPT, with 1/8" NPT side pressure tap.	1 lb.
 [ACCP] RK-130	Columbus Electric millivolt thermostat. 35° to 75° F range - positive off. For use with 250, 500 or 750 MV systems. One RK-130 T-Stat is included with each DR-NMV-2 or PMV-2 heater. A.K.A. P/N: RK-134.	1 lb.			

COMMONLY USED CONTROLS³

- | | | |
|----------|------------|------------|
| • TH-ET5 | • TH-PSPLV | • 4000-01V |
| • TH-115 | • TH-P721 | • R8285B |

³ Reference the Controls Price List for all available accessories.

REFLECTORS & SCREENS

HORIZONTAL PARABOLIC REFLECTOR



DR60 with DR-2HPR Shown

PART NO.	DESCRIPTION	QTY.
[ACDR] DR-#HPR	Directs rays directly downward when installed on the DR Series mounted on proper angle. Can be used for matching horizontal mounting specifications. Not for use with DR-SC.	Enter Quantity Below

FULL PARABOLIC REFLECTOR



DR60 with DR-2PR Shown

PART NO.	DESCRIPTION	QTY.
[ACDR] DR-#PR	Directs rays in a more focused pattern when installed on the DR Series mounted on proper angle. Typically used in high mounting applications.	Enter Quantity Below

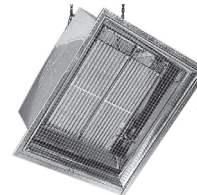
FULL PARABOLIC REFLECTOR WITH SCREEN



DR60 with DR-2PRSC Shown

PART NO.	DESCRIPTION	QTY.
[ACDR] DR-#PRSC	Directs in a more focused pattern when installed on the DR Series mounted on proper angle. Outer screen protects the ceramic grids from objects striking the heater.	Enter Quantity Below

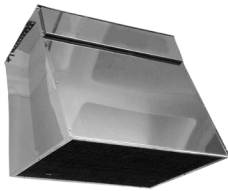
HEATER SCREEN



DR60 with DR-2SC Shown

PART NO.	DESCRIPTION	QTY.
[ACDR] DR-#SC	Screen slips on the outside of the reflectors and protects the ceramic grids. For use in facilities such as ice rinks or tennis courts, where objects or debris may damage the heater. Not for use with DR-HPR.	Enter Quantity Below

WIND GUARD WITH SCREEN



PART NO.	DESCRIPTION	QTY.
[ACDR] DR-#DWG	Stainless steel shields with aluminum screen.	Enter Quantity Below

PART NO.	DESCRIPTION	QTY. FOR EACH HEATER MODEL				
		#1* 30 MBH Models	#2* 45-60 MBH Models	#3* 75-100 MBH Models	#4* 130 MBH Models	#5* 160 MBH Models
*DR-#DWG	Decorative Wind Guard with Screen	-	-			
*DR-#HPR	Horizontal Parabolic Reflector, 3-piece ⁴					
*DR-#PR	Parabolic Reflector, 4-piece					
*DR-#PRSC	Parabolic Reflector with Screen					
*DR-#SC	Heater Screen with Slip-On Frame					
*DR-#REF	Heater Reflector Assembly					

⁴ Not for use on DR30(S) mounted models. # Specify MBH Models 1-5.