



HRV 007

Protection in even the most severe weather and soil conditions. Critical design elements include virgin material, high grade PE structural foam molding process, "T" top snap lids for maximum quick access. Discoloration UV preventative additives keep HRV boxes looking great for years of extended use even in the harshest of environments. Box strength meets or exceeds industry standards (see load test below).

FEATURES AND BENEFITS

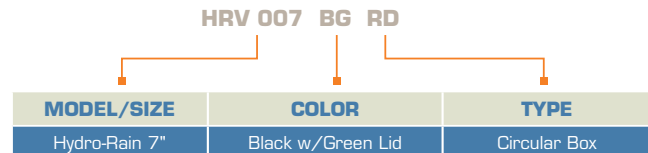
- **HDPE material**—Is slow molded to maintain maximum wall diameter strengthening the entire box and lid
- **"T" top snap lid**—Increases lid load capability protecting the enclosed valves from damage
- **UV Inhibitor additives**—With anti-oxidants protect the boxes from fading due to direct sun light
- **Resistant to moisture**—Keeps critical irrigation system components from the elements
- **Structural foam molded**—Provides increased strength through accurate material distribution during the molding process



MODELS

HRV-007-BG-RD	HRV 007 7" Circular Valve Box; Black/Green Econo
HRV-007-GG-RD	HRV 007 7" Circular Valve Box; Green Econo
HRV-007-TT-RD	HRV 007 7" Circular Valve Box; Tan Econo

HOW TO SPECIFY





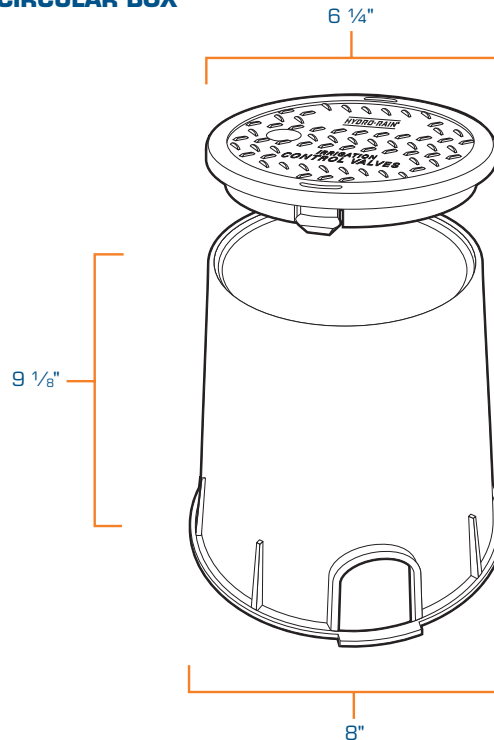
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MATERIAL SPECIFICATIONS

* PROPERTIES OF BASE MATERIAL	ASTM TEST METHOD	HDPE
Tensile Strength	D-638	2,700-4,400 psi (Typical Range)
Flexural Modulus	D-790	Min 140,000 not to exceed 240,000 psi
Notched Izod Impact Strength	D-256	0.5-3.0 (Typical Range)
Density	D-792	Min 0.95 not to exceed 0.965
Deflection Temp @ 66psi	D-648	150° to 200° F
Electrical Dielectric Strength	D-149	400-600 V/mil (Typical Range)
MOLDED PRODUCT	ASTM TEST METHOD	HDPE
Chemical Resistance	D-543	Very Resistant
Water Absorption	D-570	≤ 1% weight change
Static Vertical Load Rating	C-857	A-0.3, 300 lb. ft./ft ²

*Material specifications subject to change based on availability

CIRCULAR BOX



BOX STRENGTH - CRUSH TEST

VALVE BOX BODY LOAD	MAXIMUM LOAD LBS.	DEFLECTION INCHES
7" Round	6,975	0.400

VALVE BOX LID LOAD	MAXIMUM LOAD LBS.	DEFLECTION INCHES
7" Round	2,288	0.320

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