

TECH TIP # 27



One of a series of dealer contractor technical advisories prepared by HARDI wholesalers as a customer service.

A Quick Guide To ---

Refrigerant Cylinder Storage in Service Vehicles

- Store and transport refrigerant cylinders in an upright position out of direct sunlight
- Place sealing cap on outlet valve to prevent thread damage, seal out contaminants and prevent refrigerant leakage
- Never allow cylinder temperature to exceed 130° F (54.4° C). Temperatures above 130° F could result in excessive cylinder pressure and damage to the container's physical integrity resulting in a serious accident.
- Keep refrigerant cylinders in original packaged carton thus keeping them from dents, punctures and scratches.
- Visually inspect cylinders to ensure they are in safe condition.
- Cylinders should be properly secured at all times to prevent tipping, falling or rolling around. They may be attached to a truck wall, cylinder truck, cylinder rack, or post.
- R-410A cylinders have already been redesigned for higher pressure during normal transportation, use and handling.

Disposable Cylinder Design Details		
	R-410A	R-22
Cylinder type	DOT #39 (400)	DOT #39 (DAC)
Service Pressure, psig	400	260
Test pressure, psig	500	325
Burst pressure, psig	1000	650
Minimum safety disk relief pressure, psig	525	341
Maximum safety disk relief pressure, psig	800	520

Published by the Independent Study Institute, a division of the Heating, Airconditioning & Refrigeration Distributors International. The Institute offers accredited, industry training courses in HVAC/R technology. Direct inquiries to HARDI 3455 Mill Run Drive, Ste. 820, Columbus, OH 43026. Phone 888/253-2128 (toll free) · 614/345-4328 · Fax 614/345-9161

www.hardinet.org