

# HVAC Valve Cores

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026

What is part number



Excerpt: Valve cores are vital for HVAC and refrigeration systems. This guide explores Schrader valve types, pressure ratings, material choices, and engineering tips for optimal performance and leak prevention.

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# HITACHI FL20S88NAA Compressor

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The HITACHI FL20S88NAA 0.75 HP hermetic scroll compressor delivers 256W cooling capacity at 50Hz, utilizing HFC-134a refrigerant for household refrigerator-freezer applications. This LBP-classified unit operates reliably at 220-240V with RSIR starting method, integrated into Sharp's SJ-PT73R-HS3 model offering 662-liter gross capacity with Hybrid Cooling System and Plasmacluster technology.

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# Tecumseh Commercial Refrigeration Compressors

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Tecumseh commercial compressors range from 1/9 HP (230 W) to 3 HP (4,000 W), delivering refrigeration capacities from 278 W to 6,973 W across R404A, R134a, and legacy refrigerants. This complete technical guide provides exact horsepower, input wattage, evaporating ranges, and application types for all ten major models used in supermarkets, walk-ins, and retail coolers.

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## [Copeland ZB50KCE Scroll Compressor](#)

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copeland zb50kce scroll compressor 7 hp 11.9 kw polyester oil nameplate data Mbsmgroup  
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## [Refrigerants, Standing, Suction and Discharge Pressures for Modern HVAC Systems](#)

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Refrigerant	100-400 Bar refrigerant properties					
	Boiling Point	Evaporation	Condensation	Atmospheric	Sublimation	Boiling
R22	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar
R134a	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar
R32	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar
R404A	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar
R407C	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar
R410A	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar
R290	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar
R600a	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar
R417A	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar	100-1000 bar

Explore a practical refrigerant pressure chart with typical standing, suction and discharge pressures plus boiling points for R22, R134a, R32, R404A, R407C, R410A, R290, R600a and R417A.