

PP-R / PP-RCT Piping Systems

Fusion-joined polypropylene for hydronic, chilled water, and process distribution • Stocked & supported in Las Vegas

FUSION JOINED

Heat-fusion connections — no flame, no solder, corrosion-free pipe walls for long service life.

HYDRONIC READY

Common on chilled water, heating hot water, and process loops where metal pipe is overkill or corroding.

AHS SUPPORT

Local takeoff help, fusion training interest, and project references across AZ / NV / NM.

What to keep straight — first-pass orientation (confirm with Aquatherm / project specs)

- Aquatherm is PP-R / PP-RCT piping with fusion fittings — not a press or solvent-weld metal system.
- NUPI is a frequent PP-R peer on Southwest specs; material grade, SDR, and fitting system must match the design.
- Do not treat PP-R as a drop-in for steel without checking temperature, pressure, supports, and expansion.
- Fusion tool calibration and installer qualification matter as much as the pipe brand on the submittal.
- This leave-behind is an AHS sales orientation guide — not an Aquatherm or NUPI published model table.

Aquatherm vs NUPI — where each one wins

	Aquatherm	NUPI (typical)
Material	PP-R / PP-RCT piping systems	PP-R peer systems commonly specified
Joining	Heat fusion fittings & tools	Fusion systems — confirm tool & fitting family
Best duty	Hydronic / chilled / process distribution	Similar PP-R duty when named on the spec
Corrosion	Non-metallic — no internal rust	Also non-metallic PP-R class
Support	AHS local stock path & project help	National PP-R peer — local support varies
Best fit	Jobs you can fuse cleanly with Aquatherm	Named NUPI specs or owner standards

BID RULE OF THUMB

- Push Aquatherm when the design allows PP-R, fusion labor is available, and corrosion or install speed is the story.
- Do not force Aquatherm against a hard-named NUPI-only spec without an engineer alternate — offer a clean submittal path.

First-pass crossover — confirm SDR, temp, pressure, supports, and fusion procedures

PP-R brands are not automatic drop-ins. Match pipe series, fittings, and tools to the approved system.

Application	Aquatherm offer	NUPI closest	Talk track
Chilled water	Aquatherm Blue / Green PP-R	NUPI PP-R chilled series	Corrosion + fusion
Heating hot water	Aquatherm Green PP-R / PP-RCT	NUPI heating PP-R	Confirm temp class
Process / industrial	Aquatherm industrial PP-R	NUPI industrial PP-R	Chem compatibility
Compressed air*	Only if listed for duty	Only if listed for duty	*Often not allowed
Underground	Insulated / specialty as designed	Peer insulated PP-R	Expansion & burial
Retrofit metal	PP-R alternate package	NUPI alternate package	Engineer approval

Aquatherm lineup reminders (confirm current Aquatherm literature)

Family	Typical use	Joining	Notes
Green pipe	Heating / potable-class loops	Fusion	Confirm listings
Blue pipe	Chilled water	Fusion	Common CW choice
Fittings	Sockets / outlets / valves	Fusion	Match pipe series
Tools	Fusion irons / machines	—	Training available

Spec language that kills a swap

- Named NUPI-only or “no alternate” language.
- Temperature / pressure above PP-R design limits.
- UV / outdoor exposure without protection.
- Compressed air or gases not approved for the pipe.
- Installer with no fusion qualification.

How we help you win the job

- Local AZ / NV / NM project references.
- Takeoff and alternate submittal support.
- Training interest page for fusion sessions.
- Coordination with PP-R accessories & valves.
- Same desk that quotes boilers, steam, and valves.

NEXT STEP

Send the pipe schedule, design temperatures/pressures, and whether NUPI is named.
AHS will return an Aquatherm selection, NUPI cross notes, and a bid-ready package.
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