The 6 types · side-by-side

Distributor-facing reading. Each row gives best-for, key trade-off, capacity, price band, and how many of SPC's tier slots carry an option at that product type.

PRODUCT TYPE	BEST FOR	KEY TRADE-OFF	TYPICAL CAPACITY	PRICE BAND	BRANDS SPC CARRIES
Synthetic Compressor Oil PAO / ESTER BASE · ~8,000-HOUR DRAIN	**The TCO conversion, mineral out, synthetic in.** Every rotary-screw running mineral oil at 2,000-4,000-hour intervals. Crosses to Atlas Copco Roto-Xtend Duty, Quincy QuinSyn, Sullair Sullube, Ingersoll Rand Ultra Coolant. ISO 32 / 46 / 68 / 100 grades matched to the OEM spec.	STICKER PRICE · SELLS ON TCO Higher cost per gallon than conventional. The case is total cost of ownership: 8,000-hour synthetic interval vs. 2,000-4,000-hour mineral cuts 1-2 oil changes per year per compressor, and the labor + downtime savings dominate the math at any duty above ~30 hours per week.	~8,000 service hours per fill PAO · ester · polyglycol base stocks	$$ · 30-50% under OEM	2 / 5 · AMSOIL + KELTEC
Food-Grade Compressor Oil NSF H1 REGISTERED · AUDIT-DRIVEN SPEC	**Audit compliance, not a performance upgrade.** Food, beverage, pharma, nutraceutical, cosmetics: any plant whose HACCP, SQF, BRC, FSSC 22000, or customer audit demands an NSF H1 fluid. Crosses to Atlas Copco Roto-Foodgrade, Sullair Sullube FG, Quincy QuinSyn FG, Ingersoll Rand Ultra FG Coolant.	SHORTER DRAIN · ~6,000 HOURS H1-cleared additive chemistry is more constrained than standard synthetic, so drain intervals run ~6,000 hours instead of ~8,000. Still 2-3x the conventional interval, and the audit doesn't give the customer a choice: H1 is a compliance line, not a value engineer.	~6,000 service hours per fill ISO 32 / 46 / 68 · H1-registered	$$ - $$$ · 25-40% under OEM	2 / 5 · AMSOIL + KELTEC
Compressor Oil Filter · Aftermarket CROSS-REFERENCE BY OEM MAKE / MODEL / HP	**Anchor of the annual service kit.** Every lubricated rotary-screw consumes one at every oil change. KELTEC leads the US-OEM cross-reference catalog; Mann-Filter covers European OEMs and large industrial. Quote as part of the annual kit, never on its own.	SPEC SHEET IS THE CROSS-REFERENCE No micron-rating or bypass-setting evaluation by the customer: the cross-reference catalog validates fit, filtration, and bypass against OEM spec. Photo the OEM nameplate + the existing filter part number; catalog resolves the equivalent in one lookup.	Replaced every ~2,000 hours spin-on · cartridge format	$ · 30-50% under OEM	2 / 5 · KELTEC + MANN-FILTER

Compressor Intake Filter · Aftermarket CROSS-REFERENCE REPLACEMENT ELEMENT	**Third leg of the annual kit.** Every rotary-screw and most industrial recips consume one annually (clean indoor) or quarterly (foundry, cement, grain, woodshop, dusty industrial). KELTEC for US-OEM cross, Mann-Filter for European OEMs. Bundle with oil + oil filter + separator.	ENVIRONMENT SETS THE CADENCE Standard 12-month interval in clean indoor air; 3-6 months in dusty environments. Customers in heavy-particulate plants buy 2-4 per year per compressor at standing-order pricing: confirm environment at the quote stage, not after the first early replacement.	12 mo clean · 3-6 mo dusty panel · cartridge element	$ · 30-50% under OEM	2 / 5 · KELTEC + MANN-FILTER
Compressor Intake Filter · Housing + Element SOLBERG OWN-BRAND · HOUSING UPGRADE PATH	**When the OEM housing is the limit, not the element.** Compressor whose intake element chronically lasts weeks because the OEM housing is undersized or wrong media grade for the environment. Solberg F-series (direct-mount), FT-series (remote-mount), panel-mount for enclosed packages, sized 25-50% over nameplate SCFM for sustained duty.	HOUSING UPGRADE AND PART REPLACEMENT Higher first-cost than an aftermarket-element-only replacement, and the housing replacement is a service job, not a 60-second swap. Pays back through longer element life, lower inlet restriction (~1% output per PSI of restriction), and the energy savings of an under-loaded filter on sustained duty.	Sized to compressor FAD + 25-50% cellulose · polyester · synthetic	$ - $$ · housing upgrade premium	1 / 5 · SOLBERG ONLY
Service Valve · Replacement UNLOADER · INLET · CHECK · SAFETY RELIEF	**Failure-driven · same-day-need.** The customer is calling, not browsing: the compressor is down. Symptom maps to part in one question: hard-start → unloader, won't cycle off → inlet control, pressure drops overnight → check valve, weeping at operating pressure → safety relief. Conrader crosses to Atlas Copco, Quincy, Sullair, Ingersoll Rand, Chicago Pneumatic, ABAC, Kaishan.	DOWNTIME COST DOMINATES PRICE Customer is comparing your speed-to-cross-reference and same-day-ship against their downtime cost-per-hour ($500-2,000/hr), not your unit price against a catalog. After closing the emergency replacement, sell the spare-on-the-shelf kit: a maintenance department that's been burned once pre-stocks willingly.	Replaced at failure · ~3-5 yr life 20-250 PSI · 20-60 SCFM body sizes	$ - $$ · 30-50% under OEM	1 / 5 · CONRADER ONLY

Reading the brand bench column: the bar shows how many of SPC's tier slots (Industry Leader · Emerging · Economical · adjacent) carry an option at that product type. A deep bench means a price-driven and a spec-driven option both close cleanly; a narrow bench means the available brands map closely to the technical requirements and the comparison stops being a tier choice. Service Parts benches run narrow by design: each product type is a single cross-reference catalog, and consolidating to one or two aftermarket vendors per family IS the value.