

MODEL SELECTION PACKET | 2026-10-03 | REVISION 1

TVC / T1280

Thermostatic Control Valve

Thermostatic valve family for wind-turbine gearbox lubrication and cooling circuits. A replaceable thermal element drives the mechanical stroke and routes oil between cooler and bypass paths without external electrical power.

Catalog-confirmed values

TVC45-20	45-60 deg C; maximum flow 20 m³/h
TVC45-10	45-60 deg C; maximum flow 10 m³/h
TVC40-15	40-55 deg C; maximum flow 15 m³/h
TVC40-10	40-55 deg C; maximum flow 10 m³/h
TVC40-7.5	40-55 deg C; maximum flow 7.5 m³/h
T1280-40	40-55 deg C; maximum flow not stated

The source states model-specific temperature ranges and maximum flow values only. Temperature tolerance, hysteresis, response time, stroke tolerance and flow-test conditions are not provided; request order-specific engineering confirmation. T1280-40 maximum flow is not stated.

Ordering and service

Single-unit orders accepted. One-year warranty. Delivery: maximum 4 weeks from receipt of the agreed deposit. Actual warranty coverage and claim procedure follow the written quotation/order.

Selection reference only. This packet is not an installation drawing, a technical approval or an approved replacement. Confirm the ordered configuration in writing before purchase or installation.

ORDER-SPECIFIC ENGINEERING CONFIRMATION

Confirm the actual configuration

Provide the existing part number and drawing, requested temperature range and tolerance, flow, lubricant/viscosity, pressure, pressure drop, body/port interfaces, mounting envelope, element stroke, circuit arrangement and required interchangeability review.

Selection / ordering code	Model variants are listed above. A complete configuration ordering code is not provided in source packet - request controlled order drawing.
Dimensions / ports / interface	Not provided in source packet - request controlled order drawing.
Electrical wiring	Mechanical temperature-driven operation with no external electrical power. An electrical wiring drawing is not provided in this source packet.
Optional configurations	Replaceable thermal element is stated. Body, port, spring and element configurations require the controlled order drawing; no additional variants are inferred.

Maximum flow is stated only for the five named TVC variants. No maximum flow is provided for T1280-40. The source supplies no pressure rating, pressure-drop curve, port specification or approved replacement conclusion. Do not substitute one model on the basis of temperature range alone.

Source and appendix map

Published English TVC / T1280 controlled translation: physical/printed page 1. Document revision is not stated; PDF creation metadata is 2026-07-23. Website model record: approved-expansion-products.json, release WEB-2026-07-28-001.

Source PDF: CASCED-TVC-T1280-Thermostatic-Control-Valve.pdf

Packet page 3 retains the published English source page unchanged. Its historical source heading and review-status note remain visible for traceability; excluded comparative/capacity claims are not adopted as product specifications.

The attached source pages are copied directly from the published English PDF, preserving their original page content. New summary text uses the controlled website model record and those source pages; it does not supply missing engineering data.

Request the controlled order drawing

Contact: info@cascaded-us.com | cascaded-us.com
Mailing Address: 34 Celia St, Patchogue, NY 11772, United States

State the model, required configuration, quantity and application. Selection codes, dimensional examples and interface diagrams remain subject to confirmation for the specific order. No certification, signature or engineering approval is issued by this packet.

CASCED Controlled English Translation

Source file: 其他/CASCED温控阀.pdf

Original diagrams and page relationships are retained in the paired source PDF. The following English text is the controlled translation and data transcription.

Lubrication-System Temperature Control Valve

Model: TVC / T1280
Product family: Temperature Control
Category: Thermostatic Valves

Overview

Thermostatic valve family for wind-turbine lubrication systems, using a replaceable thermal actuator.

Features

- Replaceable thermal actuator
- Phosphate-treated spring and housing surfaces
- Temperature-driven mechanical stroke

Applications

- Wind-turbine lubrication systems

Technical Specifications

Specification	Source value
TVC45-20	45–60°C; maximum flow 20 m³/h
TVC45-10	45–60°C; maximum flow 10 m³/h
TVC40-15	40–55°C; maximum flow 15 m³/h
TVC40-10	40–55°C; maximum flow 10 m³/h
TVC40-7.5	40–55°C; maximum flow 7.5 m³/h
T1280-40	40–55°C; maximum flow not stated

Source-Control Status

Review required — source includes unsupported comparative, aerospace, automotive-life, and manufacturing-capacity claims; these are excluded from publish-ready copy.