



VALVES & REGULATORS

Danfoss TEAT Series

BRAND

Danfoss

SKU

RC_PROD_012

CATEGORY

Valves & Regulators



OVERVIEW

Danfoss TEAT valves are thermostatic injection valves for ammonia (R717) systems, principally used as desuperheating valves: they inject liquid ammonia into hot discharge gas to control its temperature — for example, cooling compressor discharge gas ahead of oil separators, heat exchangers, or two-stage intercooling duty. The valve is controlled by a thermostatic element responding to the temperature at its sensor location. The TEAT shares the ammonia parts platform with the TEA family — orifice assemblies are interchangeable across TEAQ / TEA / TEVA / TEAT within a frame size — simplifying stocking and service for industrial ammonia plants.

KEY FEATURES

Thermostatic liquid injection
for temperature control of ammonia discharge gas

High-temperature elements
available (e.g., 90–130 °C range for desuperheating duty)

Shared orifice platform
with TEA/TEVA/TEAQ (per frame size) — reduced spares
inventory

Robust industrial construction
with flange connections

SPECIFICATIONS

PARAMETER	VALUE
FUNCTION	Thermostatic injection / desuperheating — opens on rising sensor temperature
ELEMENT RANGES	e.g., 90 – 130 °C for desuperheating elements (TEAT 20 / TEAT 85)
FRAMES	TEAT 20 (smaller capacities), TEAT 85 (larger capacities)