

ACVATIX VVF53

Product Data Sheet

VVF53.40-25C

Flanged Two Port Control Valve

NOMINAL VALVE DIAMETER	NOMINAL PRESSURE CLASS	RATED FLOW COEFFICIENT	VALVE FLOW ARRANGEMENT
DN 40	PN 25	kvs 25 m³/h	2-port, straight-through

Siemens VVF53.40-25C is an ACVATIX flanged two-port control valve with DN 40 connections, PN 25 pressure class and a kvs value of 25 m³/h. It regulates compatible fluids in heating, cooling and building-service flow circuits.

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VERIFIED TECHNICAL DATA

Nominal valve diameter	DN 40
Nominal pressure class	PN 25
Rated flow coefficient	kvs 25 m³/h
Valve flow arrangement	2-port, straight-through
Nominal actuator stroke	20 mm
Permitted medium temperature	-20 to 220 deg C; medium-specific restrictions
Valve body material	EN-GJS-400-18-LT ductile iron
Flange form	EN 1092-2, type 21, facing B
Straight-through leakage	0 to 0.01% of kvs; class IV
Rangeability	Greater than 100

ADDITIONAL PRODUCT DATA

Stem, seat and plug material	Stainless steel
Stem packing material	Silicone-free FEPM
Operating ambient temperature	-15 to 55 deg C
Operating relative humidity	5 to 95% RH
Compatible actuator families	SAX/SAV; SKD/SKB/SKC, subject to selection tables

DOCUMENTED USE SETTINGS

Heating and Thermal Energy Distribution: District Heating Flow Regulation.

Cooling and Chilled Water Distribution: District Cooling Flow Regulation.

Building Ventilation and Air Conditioning: Building Air Conditioning Control.

SYSTEM COMPATIBILITY

Select a manufacturer-approved actuator for the VVF53.40-25C valve and the required closing differential pressure. Confirm the actual fluid and circuit design against the ACVATIX selection tables.

PRODUCT EVIDENCE

Siemens ACVATIX VVF53/VXF53 PN25, A6V14669668_zhAP_c, 2025-01-20