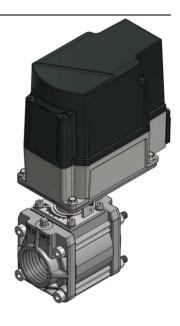
SCC Inc.

Technical Instructions

Document No. VA-2000 September 16, 2021

VA Series

VA...VKP Valve Actuator
Assemblies with VKP...
Characterized Valves



Description

VA...VKP valve actuator assemblies include a Siemens SQM... actuator reliably mounted to a VKP... characterized valve.

Features

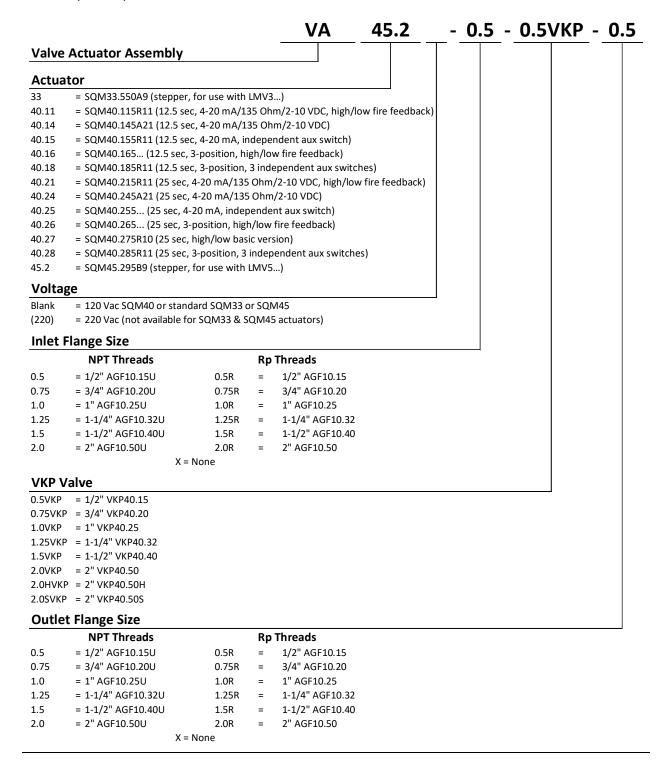
- Engineered for precise shaft alignment with less actuator wear
- Rigid and robust design
- VKP... valve sizes from 1/2" to 2"
- Includes Siemens SQM33, SQM40, SQM45, or SQM50 actuator
- Various inlet and outlet flange sizes provide mounting options

Application

VA...VKP valve actuator assemblies mount an SQM33, SQM40, SQM45, or SQM50 actuator to a VKP... characterized flow valve. The VKP... valve and SQM... actuator are rigidly mounted with Siemens engineered brackets and couplings to ensure precise shaft alignment. A variety of inlet and outlet flange options allow for easy installation. VKP Technical Instructions (N7646) provide sizing and additional valve information.

Product Part Numbers

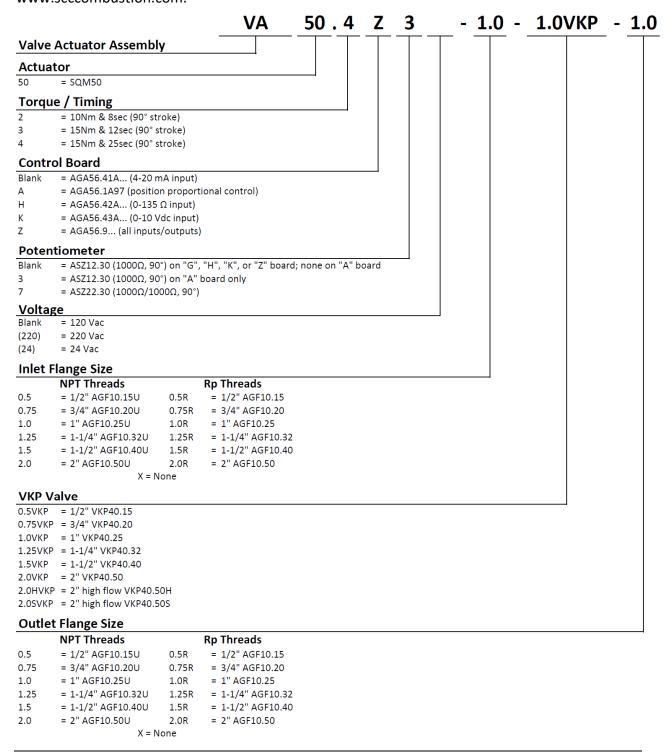
The following chart provides VA...VKP assembly part number identification including an SQM33, SQM40, or SQM45 actuator. Technical instructions for SQM33 (N7813), SQM40 (N7817), or SQM45 (N7814) actuators are available at www.scccombustion.com.



Page 2 SCC Inc.

Product Part Numbers (continued)

The following chart provides VA...VKP assembly part number identification including an SQM50 actuator. Technical instructions for SQM50 (155-517) actuators are available at www.scccombustion.com.



SCC Inc. Page 3

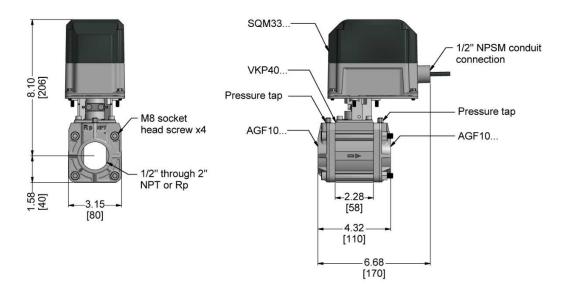
Installation

- Each AGF10...U flange has one 1/4" NPT pressure tap
- Each AGF... flange with Rp threads has one 1/8" Rp pressure tap
- AGF10... flanges may be rotated in 90° increments relative to the valve to better position the pressure tap. To rotate the flange, remove the four M8 socket head screws that attach the flange to the valve, rotate the flange in the desired 90° increment, and reassemble with the four M8 socket head screws.
- Install the valve so that the flow follows the direction of the arrow on the valve body
- SQM... actuators are not clockable relative to the VKP... valve
- The limit switches on all assemblies using an SQM40... or SQM50... actuator are set to achieve a 0-90° stroke

Dimensions

Dimensions in inches [mm]

VA33...VKP Valve Actuator Assemblies

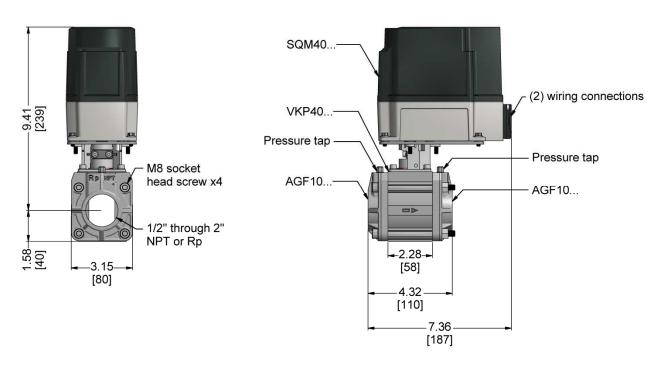


Page 4 SCC Inc.

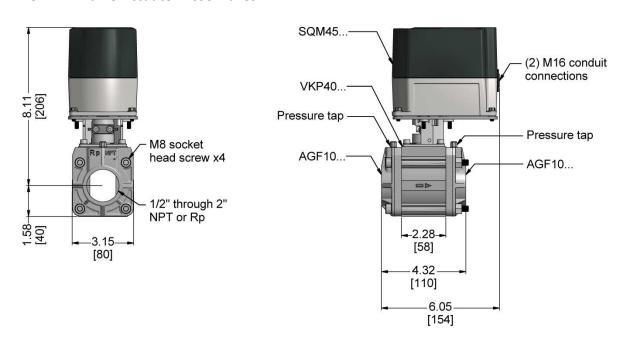
Dimensions (continued)

Dimensions in inches [mm]

VA40...VKP Valve Actuator Assemblies



VA45...VKP Valve Actuator Assemblies

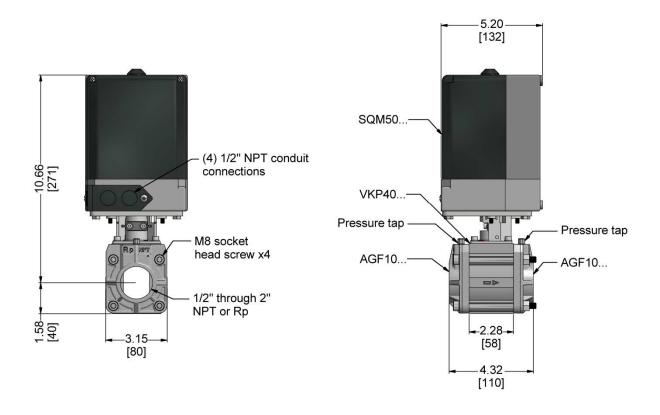


SCC Inc. Page **5**

Dimensions (continued)

Dimensions in inches [mm]

VA50...VKP Valve Actuator Assemblies



Information in this publication is based on current specifications. The company reserves the right to make changes in specifications and models as design improvements are introduced. Product or company names mentioned herein may be the trademarks of their respective owners. © 2021 SCC Inc.