

Y20EBE-2 Adapter Kit to Mount M100 Series or VA-715x Series Actuators to VT Valves

The Y20EBE-2 Adapter Kit converts 1/2 in. VT Series Valves with slotted-end stems to threaded end for M100 Series or VA-7150 Series Electric Actuators.

Kit Includes

- bonnet adapter
- coupler nut
- stem adapter
- 7/16 - 20 Palnut

Tools Required

- two adjustable wrenches

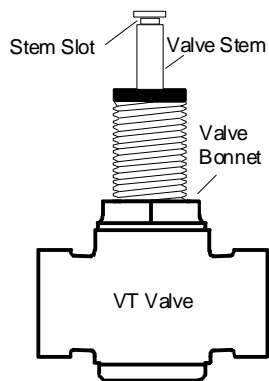


Figure 1: Slotted Stem VT Valve

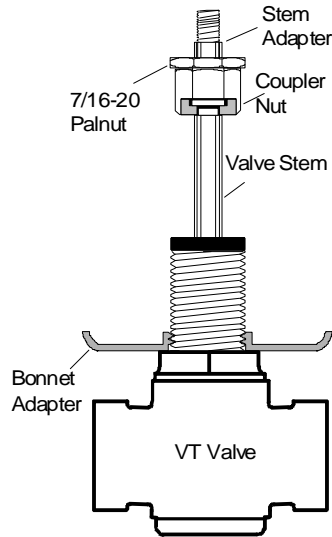



Figure 2: VT Valve with VA-715x Adapter Assembly

Assembly Procedure for VA-7150 Series Actuators

1. Before starting, it will be necessary to remove any additional adapters or spacers on the valve bonnet. The VT Series Valve should look similar to the valve shown in Figure 1.
2. Thread the bonnet adapter onto the VT valve bonnet. The flat face of the adapter should be snugged tightly against the top of the valve, see Figure 2. If necessary, a pipe wrench may be used to secure the adapter.

 **CAUTION:** To prevent damage to the threads or bonnet adapter, **do not** tighten the bonnet adapter over 1/8 of a turn past finger tight.

3. Thread the stem adapter a few turns into the coupler nut.
4. Slide the coupler nut/stem adapter assembly onto the slotted end of the valve stem.
5. Hand tighten the stem adapter into the coupler nut. This will lock the assembly onto the stem.
6. Install the Palnut (open face up) onto the stem adapter finger tight. Using adjustable wrenches, tighten the Palnut about one-quarter additional turn.
7. The valve is now ready to mount to the actuator.

Refer to the *VA-715x Series Actuator Product/Technical Bulletin (FAN 977)* for procedures to mount the valve to the actuator.

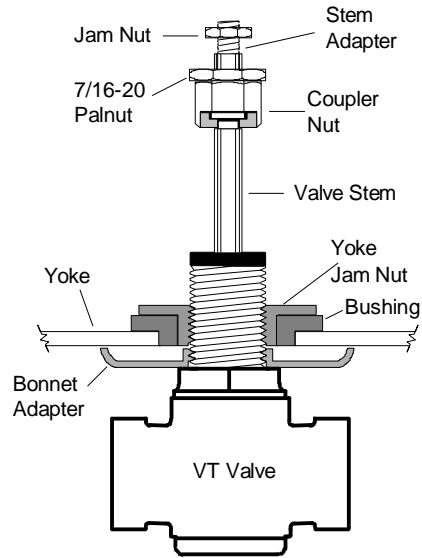



Figure 3: Assembling VT Valve to M100 Series Linkage Kits

Assembly Procedure for M100 Series Actuators

1. Before starting, it will be necessary to remove any additional adapters or spacers on the valve bonnet. The VT Series Valve should look similar to the valve shown in Figure 1.
2. Thread the bonnet adapter onto the VT valve bonnet. The flat face of the adapter should be snugged tightly against the top of the valve. (See Figure 3.) If necessary, a pipe wrench may be used to secure the adapter.

 **CAUTION:** To prevent damage to the threads or bonnet adapter, **do not** tighten the bonnet adapter over 1/8 of a turn past finger tight.

3. Place the VT valve, with bonnet adapter assembled, through the hole in the linkage kit yoke.
4. Select the bonnet hole bushing (without a groove) from the linkage kit. Place it over the bonnet so that it fits into the hole on the yoke.
5. Thread the yoke jam nut furnished with the linkage kit on the bonnet. Tighten the yoke jam nut about 1/12th of a turn beyond finger tight.
6. Thread the stem adapter a few turns into the coupler nut.
7. Slide the coupler nut/stem adapter assembly onto the slotted end of the valve stem.

8. Hand tighten the stem adapter into the coupler nut. This will lock the assembly onto the stem.
9. Install the Palnut (open face up) onto the stem adapter finger tight. Using adjustable wrenches, tighten the Palnut about one-quarter additional turn.
10. The Yoke/Valve assembly is now ready to be assembled to the actuator and linkage. Refer to the *Y20EBD Valve Linkage for M100 Motor Actuators Technical Bulletin* in the *Valve and Actuator Manual (FAN 977)* for procedures to complete the installation.