CLAIMS

1. A system, comprising: a flow control system configured to couple to a wellhead system, wherein the flow control system comprises: a flow control device comprising a housing, with a first flow path fluidly coupled to a second flow path through the housing from an inlet to an outlet, wherein the second flow path is angled with respect to the first flow path; a flow control element comprising a threaded shaft configured to selectively couple to a manual actuator or a powered actuator, wherein the threaded shaft is configured to rotate along threads to move the flow control element between opened and closed positions, wherein the flow control element is substantially parallel with the first flow path and configured to control a flow of fluid through the housing by moving axially in and out of the first flow path; and an actuator mounting assembly coupled to the flow control device, wherein the actuator mounting assembly is configured to selectively mount one of the manual actuator and the powered actuator to actuate the flow control element, wherein the actuator mounting assembly comprises a bonnet, a bonnet nut assembly coupling a first end portion of the bonnet to the housing, and an actuator retention assembly coupled to a second end portion of the bonnet, wherein the threaded shaft is configured to be threaded to the bonnet along a shaft bore of the bonnet such that the threaded shaft extends axially through the bonnet, the bonnet nut assembly, and the actuator retention assembly, wherein the actuator retention assembly and the bonnet are configured to selectively capture a mounting bracket of the powered actuator axially between axially opposing surfaces of the actuator retention assembly and the bonnet, wherein the bonnet nut assembly comprises internal threads configured to mate with external threads of the housing to secure the bonnet to the housing via interaction of an internal surface of the bonnet nut assembly and an external surface of a flange of the bonnet, and wherein the bonnet nut assembly comprises a lock screw selectively movable through an aperture of the bonnet against the threaded shaft to block movement of the flow control element during a change between the manual actuator and the powered actuator, wherein the aperture of the bonnet is crosswise to the shaft bore of the bonnet.

2. The system of claim 1, wherein the bonnet and the threaded shaft remain the same when attaching the manual actuator or the powered actuator.

3. The system of claim 1, comprising the manual actuator coupled to the flow control device with the actuator mounting assembly.

4. The system of claim 1, comprising the powered actuator coupled to the flow control device with the actuator mounting assembly.

5. The system of claim 4, wherein the powered actuator is an electric actuator, a hydraulic actuator, a pneumatic actuator, or a combination thereof.

6. The system of claim 1, wherein the actuator retention assembly comprises a guide nut comprising internal threads configured to mate with external threads of the second end portion of the bonnet.

7. The system of claim 6, wherein the actuator retention assembly comprises a guide sleeve, and the guide nut comprises a sleeve slot configured to axially receive the guide sleeve.

8. The system of claim 7, wherein the guide nut comprises a sleeve nut aperture, and the actuator retention assembly comprises a sleeve nut selectively movable through the sleeve nut aperture of the guide nut against the guide sleeve to hold the guide sleeve in place with respect to the guide nut.

9. The system of claim 7, wherein the actuator retention assembly comprises a guide configured to be positioned radially within the guide sleeve, wherein the guide is configured to be securely connected to the flow control element.

10. A flow control system, comprising: a flow control device comprising a housing and a flow control element comprising a threaded shaft configured to selectively couple the flow control device to a manual actuator or a powered actuator; and an actuator mounting assembly coupled to the flow control device, wherein the actuator mounting assembly is configured to selectively mount one of the manual actuator and the powered actuator to actuate the flow control element, wherein the actuator mounting assembly comprises a bonnet, a bonnet nut assembly coupling a first end portion of the bonnet to the housing, and an actuator retention assembly coupled to a second end portion of the bonnet, wherein the threaded shaft is configured to be threaded to the bonnet along a shaft bore of the bonnet such that the threaded shaft extends axially through the bonnet, the bonnet nut assembly, and the actuator retention assembly, wherein the actuator retention assembly and the bonnet are configured to selectively capture a mounting bracket of the powered actuator axially between axially opposing surfaces of the actuator retention assembly and the bonnet, wherein the bonnet nut assembly comprises internal threads configured to mate with external threads of the housing to secure the bonnet to the housing via interaction of an internal surface of the bonnet nut assembly and an external surface of a flange of the bonnet, and wherein the bonnet nut assembly comprises a lock screw selectively movable through an aperture of the bonnet against the threaded shaft to block movement of the flow control element during a change between the manual actuator and the powered actuator, wherein the aperture of the bonnet is crosswise to the shaft bore of the bonnet.

11. The flow control system of claim 10, wherein the flow control device comprises a first flow path fluidly coupled to a second flow path through the housing from an inlet to an outlet, wherein the second flow path is angled with respect to the first flow path.

12. The flow control system of claim 11, wherein the flow control element is substantially parallel with the first flow path and configured to control a flow of fluid through the housing by moving axially in and out of the first flow path.

13. The flow control system of claim 10, wherein the threaded shaft is configured to rotate along threads to move the flow control element between opened and closed positions.

14. The flow control system of claim 10, wherein the bonnet and threaded shaft remain the same when attaching the manual actuator or the powered actuator.

15. The flow control system of claim 10, comprising the manual actuator coupled to the flow control device with the actuator mounting assembly.

16. The flow control system of claim 10, comprising the powered actuator coupled to the flow control device with the actuator mounting assembly.

17. The flow control system of claim 16, wherein the powered actuator is an electric actuator, a hydraulic actuator, a pneumatic actuator, or a combination thereof.

18. The flow control system of claim 10, wherein the actuator retention assembly comprises a guide nut comprising internal threads configured to mate with external threads of the second end portion of the bonnet, the actuator retention assembly comprises a guide sleeve, and the guide nut comprises a sleeve slot configured to axially receive the guide sleeve.

19. The flow control system of claim 18, wherein the guide nut comprises a sleeve nut aperture, and the actuator retention assembly comprises a sleeve nut selectively movable through the sleeve nut aperture of the guide nut against the guide sleeve to hold the guide sleeve in place with respect to the guide nut.

20. The flow control system of claim 19, wherein the actuator retention assembly comprises a guide configured to be positioned radially within the guide sleeve, wherein the guide is configured to be securely connected to the flow control element.