CLAIMS

What is claimed is:

1. A tubular assembly comprising:

a wellbore tubular;

at least one shunt tube; and

a coupling assembly configured to rotatably couple the at least one shunt tube to the wellbore tubular.

2. The tubular assembly of claim 1, wherein the coupling assembly is further configured to allow the shunt tube to be longitudinally translated over at least a portion of the wellbore tubular.

3. The tubular assembly of claim 1 or 2, further comprising a filter media disposed about the wellbore tubular.

4. The tubular assembly of claim 3, wherein the coupling assembly comprises one or more shunt rings configured to retain the at least one shunt tube, wherein the filter media is configured to limit the movement of the one or more shunt rings about the wellbore tubular.

5. The tubular assembly of any of claims 1 to 4, further comprising at least one packing tube in fluid communication with the at least one shunt tube, wherein the coupling assembly is further configured to rotatably couple the at least one packing tube to the wellbore tubular.

6. The tubular assembly of any of claims 1 to 5, further comprising an outer body member disposed about the at least one shunt tube and wellbore tubular.

7. The tubular assembly of any of claims 1 to 6, wherein the coupling assembly comprises:

one or more shunt rings configured to retain the at least one shunt tube; and

one or more stop rings, wherein the one or more stop rings are configured to retain the one or more shunt rings in a position on the wellbore tubular.

8. The tubular assembly of claim 7, further comprising a plurality of shunt tubes, and wherein the plurality of shunt tubes are eccentrically aligned about the wellbore tubular.

9. The tubular assembly of claim 7 or 8, wherein a first of the one or more shunt rings is disposed between two adjacent stop rings of the one or more stop rings.

10. The tubular assembly of any of claims 7 to 9, wherein a first stop ring of the one or more stop rings comprises a channel for receiving a first of the one or more shunt rings.

11. The tubular assembly of any of claims 7 to 10, wherein a first stop ring of the one or more stop rings comprises a protrusion, and wherein a first shunt ring of the one or more

shunt rings comprises a channel that engages the protrusion of the first stop ring.

12. The tubular assembly of any of claims 1 to 11, wherein the coupling assembly comprises one or more shunt rings configured to retain the at least one shunt tube, wherein the wellbore tubular comprises a channel, and wherein a first shunt ring of the one or more shunt rings is retained within the channel.

13. A method comprising:

coupling a first wellbore tubular to a second wellbore tubular, wherein a first shunt tube is coupled to the first wellbore tubular;

rotating a second shunt tube about the second wellbore tubular that is coupled to the first wellbore tubular until the second shunt tube is substantially aligned with the first shunt tube; and

coupling the first shunt tube to the second shunt tube.

14. The method of claim 13, wherein coupling the first shunt tube to the second shunt tube comprises:

longitudinally translating the second shunt tube into engagement with the first shunt tube.

15. The method of claim 13 or 14, further comprising restraining the second shunt tube from further movement using a retaining mechanism after the rotating step.

16. The method of claim 13, wherein coupling the first shunt tube to the second shunt tube comprises coupling a jumper tube to the first shunt tube and the second shunt tube.

17. The method of any of claims 13 to 15, wherein coupling the first shunt tube to the second shunt tube comprises longitudinally translating the second shunt tube into engagement with a receptacle, wherein the receptacle is coupled to the first shunt tube.

18. A method comprising:

coupling a shunt tube to a coupling assembly; and

rotatably coupling the coupling assembly to a wellbore tubular.

19. The method of claim 18, wherein the coupling assembly is configured to allow the shunt tube to be longitudinally translated over at least a portion of the wellbore tubular.

20. The method of claim 18 or 19, wherein the coupling assembly comprises a shunt ring, and wherein the shunt ring comprises a hinged clamp.

CLAIMS

What is claimed is:

1. A tubular assembly comprising:
a wellbore tubular;
at least one shunt tube;
a coupling assembly configured to rotatably couple the at least one shunt tube to the wellbore tubular, wherein the coupling assembly is configured to allow the at least one shunt tube to be longitudinally translated over at least a portion of the wellbore tubular, and wherein the coupling assembly comprises a plurality of shunt rings rotatably disposed about the wellbore tubular; and
a plurality of stop rings, wherein a first shunt ring of the plurality of shunt rings is disposed between two adjacent stop rings of the plurality of stop rings, and wherein the plurality of stop rings are configured to limit the longitudinal translation of the first shunt ring and the at least one shunt tube along the wellbore tubular.

2. The tubular assembly of claim 1, further comprising a filter media disposed about the wellbore tubular.

3. The tubular assembly of claim 2, wherein the plurality of shunt rings are configured to retain the at least one shunt tube, and wherein the plurality of stop rings comprise one or more ends of the filter media.

4. The tubular assembly of claim 1, further comprising at least one packing tube in fluid communication with the at least one shunt tube, wherein the coupling assembly is further configured to rotatably couple the at least one packing tube to the wellbore tubular.

5. The tubular assembly of claim 1, further comprising an outer body member disposed about the at least one shunt tube and wellbore tubular.

6. The tubular assembly of claim 1, wherein the plurality of shunt rings are configured to retain the at least one shunt tube, and wherein the plurality of stop rings are configured to limit the longitudinal translation of the plurality of shunt rings along the wellbore tubular.

7. The tubular assembly of claim 6, further comprising a plurality of shunt tubes, and wherein the plurality of shunt tubes are eccentrically aligned about the wellbore tubular.

8. The tubular assembly of claim 6, wherein a first stop ring of the plurality of stop rings comprises a channel for receiving a first of the plurality of shunt rings.

9. The tubular assembly of claim 6, wherein a first stop ring of the plurality of stop rings comprises a protrusion, and wherein a first shunt ring of the plurality of shunt rings comprises a channel that engages the protrusion of the first stop ring.

10. The tubular assembly of claim 1, wherein the wellbore tubular comprises a channel, and wherein a first shunt ring of the plurality of shunt rings is retained within the channel.

11. A method comprising:
coupling a shunt tube to a coupling assembly;

rotatably coupling the coupling assembly to a wellbore tubular, wherein the coupling assembly is configured to allow the shunt tube to be longitudinally translated over at least a portion of the wellbore tubular; coupling the wellbore tubular to a second wellbore tubular;
rotating a second shunt tube about the second wellbore tubular until the second shunt tube is substantially aligned with the shunt tube; and
directly coupling the shunt tube to the second shunt tube without a jumper tube.

12. The method of claim 11, wherein the coupling assembly comprises a plurality of shunt rings, and wherein at least one of the plurality of shunt rings comprises a hinged clamp.

13. The method of claim 11, wherein coupling the shunt tube to the second shunt tube comprises: longitudinally translating the second shunt tube into engagement with the shunt tube.

14. The method of claim 11, further comprising restraining the second shunt tube from further movement using a retaining mechanism after the rotating step.

15. The method of claim 11, wherein coupling the shunt tube to the second shunt tube comprises longitudinally translating the second shunt tube into engagement with a receptacle, wherein the receptacle is coupled to the shunt tube.

16. The method of claim 11, further comprising a filter media disposed about the wellbore tubular.

17. The method of claim 16, wherein the coupling assembly comprises a plurality of shunt rings configured to retain the shunt tube, wherein the filter media is configured to limit the movement of the one or more shunt rings about the wellbore tubular.

18. The method of claim 16, wherein the coupling assembly comprises a plurality of shunt rings disposed about the wellbore tubular.

19. The method of claim 18, wherein a first shunt ring of the plurality of shunt rings is disposed on a first side of the filter media, and wherein a second shunt ring of the plurality of shunt rings is disposed on a second side of the filter media.

20. The method of claim 11, wherein rotating the second shunt tube about the second wellbore tubular comprises rotating the second shunt tube about a filter media disposed about the second wellbore tubular.