We claim:

1. A screen assembly for production from at least one subterranean zone, comprising:

at least one screen module comprising a base pipe and a filtering assembly mounted over said base pipe to define at least one screen flow path therebetween;

at least one coupling connected to said screen module and further comprising at least one coupling flow path in flow communication with said screen flow path when said coupling is assembled to said screen module;

said base pipe and coupling, when assembled also comprising a production flow path from the subterranean zone discrete from said coupling and screen flow paths; and

a valve assembly in said coupling to provide selective access between said coupling flow path and said production flow path.

2. The assembly of claim **1**, wherein:

said production flow path comprises a drift diameter and said valve assembly comprises a valve member which does not reduce said drift diameter.

3. The assembly of claim **1**, wherein:

said coupling comprises an internal coupling housing and a surrounding outer coupling housing, said internal coupling housing secured to said base pipe by threading which threading puts said outer or internal coupling housing in contact with said filtering assembly.

4. The assembly of claim **3**, wherein:

said filtering assembly comprises a screen supported at a spaced relation to said base pipe and opposed end rings secured to said screen with grooves in said rings facing said base pipe to define part of said screen flow path.

5. The assembly of claim **4**, wherein:

said outer or internal coupling housing abutting said end ring when said coupling is threaded to said base pipe.

6. The assembly of claim **1**, wherein:

said base pipe has no openings directly to said production flow path but is indirectly connected to said production flow path only through said flow opening at said valve assembly.

7. The assembly of claim **6**, wherein:

said at least one coupling comprises a plurality of couplings without a valve assembly connecting a plurality of screen modules without access to said production flow path and at least one coupling comprising said valve assembly to provide access through said at least one valve assembly for multiple said screen assemblies in a zone to said production flow path.

8. The assembly of claim **1**, further comprising:

at least one instrument or control device in said screen flow path or said coupling flow path to measure a condition in the zone or regulate flow in said zone.

9. The assembly of claim **3**, wherein:

said outer coupling housing comprises a plurality of grooves facing said internal coupling housing to define said coupling flow paths.

10. The assembly of claim **9**, wherein:

said filtering assembly comprises a screen supported at a spaced relation to said base pipe and opposed end rings secured to said screen with grooves in said rings facing said base pipe to define part of said screen flow path.

11. The assembly of claim **10**, wherein:

said outer or inner coupling housing and an end ring, when abutting, defining an annular space between said axial grooves in said outer coupling housing and in said end ring so that fluid communication is maintained through said annular space regardless of the circumferential relative position of said grooves on opposed sides of said annular space.

12. The assembly of claim **5**, wherein:

said outer coupling housing when abutting said end ring does not overlap said end ring.

13. The assembly of claim **12**, wherein:

said outer coupling housing when abutting said end ring is not welded to said end ring.

14. The assembly of claim **4**, wherein:

said screen comprises a plurality of axially oriented rib wires on said base pipe supporting a wire wrap that serves as said screen, said ribs defining screen flow paths under said wire wrap that continue in said end rings.

15. The assembly of claim **14**, wherein:

said end rings are seal welded to said wire wrap.

16. The assembly of claim **1**, wherein:

said valve assembly comprises a valve member selectively movably to align or misalign at least one port in said base pipe with said production flow path.

17. The assembly of claim **16**, wherein:

said valve member comprises a sleeve with ports straddled by seals that engage said production flow path where said sleeve shifts or turns.

18. The assembly of claim **1**, wherein:

said screen or coupling flow paths have different cross sectional flow areas to balance flow between or among screen modules in a zone.

19. The assembly of claim **17**, wherein:

said production flow path has a drift diameter and said sliding sleeve does not reduce said drift diameter.

20. The assembly of claim **1**, wherein:

said coupling further comprises a centralizer.

CLAIMS

1. A screen assembly for production from at least one subterranean zone, comprising:

at least one screen module comprising a base pipe and a filtering assembly mounted over said base pipe to define at least one screen flow path therebetween, said filtering assembly having opposed ends extending between end connections of said base pipe;

at least one coupling connected to said screen module at one of said end connections and further comprising at least one coupling flow path in flow communication with said screen flow path when said coupling is assembled to said screen module, said coupling defines an extension of said screen flow path in said filtering assembly;

said base pipe and coupling, when assembled also comprising a production flow path from the subterranean zone discrete from said coupling and screen flow paths; and

a valve assembly in said coupling to provide selective access between said coupling flow path and said production flow path.

2. The assembly of claim **1**, wherein:

said production flow path comprises a drift diameter and said valve assembly comprises a valve member which does not reduce said drift diameter.

3. The assembly of claim **1**, wherein:

said coupling comprises an internal coupling housing and a surrounding outer coupling housing, said internal coupling housing secured to said base pipe by threading which threading puts said outer or internal coupling housing in contact with said filtering assembly for an extension of said screen flow path in said filtering assembly.

4. A screen assembly for production from at least one subterranean zone, comprising:

at least one screen module comprising a base pipe and a filtering assembly mounted over said base pipe to define at least one screen flow path therebetween;

at least one coupling connected to said screen module and further comprising at least one coupling flow path in flow communication with said screen flow path when said coupling is assembled to said screen module;

said base pipe and coupling, when assembled also comprising a production flow path from the subterranean zone discrete from said coupling and screen flow paths; and

a valve assembly in said coupling to provide selective access between said coupling flow path and said production flow path;

said coupling comprises an internal coupling housing and a surrounding outer coupling housing, said internal coupling housing secured to said base pipe by threading which threading puts said outer or internal coupling housing in contact with said filtering assembly;

said filtering assembly comprises a screen supported at a spaced relation to said base pipe and opposed end rings secured to said screen with grooves in said rings facing said base pipe to define part of said screen flow path.

5. The assembly of claim **4**, wherein:

said outer or internal coupling housing abutting said end ring when said coupling is threaded to said base pipe.

6. The assembly of claim **1**, wherein:

said base pipe has no openings directly to said production flow path but is indirectly connected to said production flow path only through said flow opening at said valve assembly.

7. A screen assembly for production from at least one subterranean zone, comprising:

at least one screen module comprising a base pipe and a filtering assembly mounted over said base pipe to define at least one screen flow path therebetween;

at least one coupling connected to said screen module and further comprising at least one coupling flow path in flow communication with said screen flow path when said coupling is assembled to said screen module;

said base pipe and coupling, when assembled also comprising a production flow path from the subterranean zone discrete from said coupling and screen flow paths; and

a valve assembly in said coupling to provide selective access between said coupling flow path and said production flow path;

said base pipe has no openings directly to said production flow path but is indirectly connected to said production flow path only through said flow opening at said valve assembly;

said at least one coupling comprises a plurality of couplings without a valve assembly connecting a plurality of screen modules without access to said production flow path and at least one coupling comprising said valve assembly to provide access through said at least one valve assembly for multiple said screen assemblies in a zone to said production flow path.

8. The assembly of claim **1**, further comprising:

at least one instrument or control device in said screen flow path or said coupling flow path to measure a condition in the zone or regulate flow in said zone.

9. The assembly of claim **3**, wherein:

said outer coupling housing comprises a plurality of grooves facing said internal coupling housing to define said coupling flow paths.

10. A screen assembly for production from at least one subterranean zone, comprising:

at least one screen module comprising a base pipe and a filtering assembly mounted over said base pipe to define at least one screen flow path therebetween;

at least one coupling connected to said screen module and further comprising at least one coupling flow path in flow communication with said screen flow path when said coupling is assembled to said screen module;

said base pipe and coupling, when assembled also comprising a production flow path from the subterranean zone discrete from said coupling and screen flow paths; and

a valve assembly in said coupling to provide selective access between said coupling flow path and said production flow path;

said coupling comprises an internal coupling housing and a surrounding outer coupling housing, said internal coupling housing secured to said base pipe by threading which threading puts said outer or internal coupling housing in contact with said filtering assembly;

said outer coupling housing comprises a plurality of grooves facing said internal coupling housing to define said coupling flow paths;

said filtering assembly comprises a screen supported at a spaced relation to said base pipe and opposed end rings secured to said screen with grooves in said rings facing said base pipe to define part of said screen flow path.

11. The assembly of claim **10**, wherein:

said outer or inner coupling housing and an end ring, when abutting, defining an annular space between said axial grooves in said outer coupling housing and in said end ring so that fluid communication is maintained through said annular space regardless of the circumferential relative position of said grooves on opposed sides of said annular space.

12. The assembly of claim **5**, wherein:

said outer coupling housing when abutting said end ring does not overlap said end ring.

13. The assembly of claim **12**, wherein:

said outer coupling housing when abutting said end ring is not welded to said end ring.

14. The assembly of claim **4**, wherein:

said screen comprises a plurality of axially oriented rib wires on said base pipe supporting a wire wrap that serves as said screen, said ribs defining screen flow paths under said wire wrap that continue in said end rings.

15. The assembly of claim **14**, wherein:

said end rings are seal welded to said wire wrap.

16. The assembly of claim **1**, wherein:

said valve assembly comprises a valve member selectively movable to align or misalign at least one port in said coupling with said production flow path.

17. The assembly of claim **16**, wherein:

said valve member comprises a sleeve with ports straddled by seals that engage said production flow path where said sleeve shifts or turns.

18. The assembly of claim **1**, wherein:

said screen or coupling flow paths have different cross sectional flow areas to balance flow between or among screen modules in a zone.

19. The assembly of claim **17**, wherein:

said production flow path has a drift diameter and said sliding sleeve does not reduce said drift diameter.

20. The assembly of claim **1**, wherein:

said coupling further comprises a centralizer.

21. A screen assembly for production from at least one subterranean zone, comprising:

at least one screen module comprising a base pipe and a filtering assembly mounted over said base pipe to define at least one screen flow path therebetween;

at least one coupling connected to said screen module and further comprising at least one coupling flow path in flow communication with said screen flow path when said coupling is assembled to said screen module;

said base pipe and coupling, when assembled also comprising a production flow path from the subterranean zone discrete from said coupling and screen flow paths; and

a valve assembly in said coupling to provide selective access between said coupling flow path and said production flow path;

said filtering assembly comprises a screen supported at a spaced relation to said base pipe and opposed end rings secured to said screen with at least one passage in said rings to define part of said screen flow path.

22. The screen assembly of claim **21**, wherein:

said passage in said opposed end rings comprises grooves in said rings facing said base pipe to define part of said screen flow path.