CLAIMS

What is claimed:

1. A sensing system comprising:

at least one gauge disposed in a wellbore;

a sensing link coupled to the at least one gauge; and

a debris barrier coupled to the sensing link, wherein the debris barrier comprises:

a housing coupled to the sensing link; and

a barrier element configured to reduce the transport of particulates from the wellbore into the sensing link~~.~~ ;

wherein the sensing system further comprising a communication medium disposed in at least one of the sensing link or the housing~~.~~ ;

wherein the communication medium is configured to prevent fluid mixing within at least one of the housing or the sensing link, and wherein the communication medium is configured to communicate a pressure from the wellbore adjacent the debris barrier to the at least one gauge.

2. The sensing system of claim 1, further comprising a filter element disposed in the wellbore, wherein the debris barrier is disposed radially adjacent the filter element.

3. The sensing system of claim 1 , wherein the sensing system further comprises at least one gauge carrier configured to retain the at least one gauge about a wellbore tubular.

4. A method of sensing in a wellbore comprising:

communicating a pressure from a wellbore to at least one gauge through a communication medium disposed in at least one of a sensing link or a housing;

reducing the flow of particulates into the sensing link using a debris barrier, wherein the pressure communicates through the debris barrier; and

sensing the pressure using the at least one gauge.;

wherein the communication medium is configured to prevent fluid mixing within at least one of the housing or the sensing link, and wherein the communication medium is configured to communicate a pressure from the wellbore adjacent the debris barrier to the at least one gauge.

5. The method of claim 4, wherein the debris barrier and the at least one gauge are axially separated.

6. The method of claim 4, wherein the pressure from the wellbore comprises the pressure radially adjacent a filter element, wherein the at least one gauge is axially separated from the filter element.

7. A debris barrier for use in a wellbore comprising:

a housing coupled to a fluid communication line; and

a barrier element configured to reduce the transport of particulates from an exterior of the housing to an interior of the housing, wherein the housing and the barrier element are configured to communicate a pressure from an exterior of the housing to the fluid communication line.;

wherein the barrier element comprises a bladder disposed within the housing;

wherein the bladder is configured to substantially prevent fluid contact between the exterior of the housing and the fluid communication line.

8. The debris barrier of claim 7, further comprising a communication medium disposed in at least one of the fluid communication line or the housing.

9. The debris barrier of claim 7, wherein the barrier element comprises a plug disposed within the housing, wherein the housing comprises a seat, and wherein the plug is configured to engage the seat.

10. The debris barrier of claim 9, wherein the seat is configured to allow pressure to be communicated from the exterior of the housing to the interior of the housing when the ball is engaged with the seat.

11. The debris barrier of claim 7, wherein the barrier element comprises a piston slidingly engaged within the housing.

12. The debris barrier of claim 11, wherein the piston sealingly engages the housing.

13. The debris barrier of claim 7, wherein the barrier element comprises a strainer engaging the housing.

14. The debris barrier of claim 7, wherein the barrier element comprises one or more openings in the housing.

15. The debris barrier of claim 14, wherein the housing is integrally formed with the fluid communication line.

CLAIMS

What is claimed:

1. A sensing system comprising:

at least one gauge disposed in a wellbore;

a sensing link coupled to the at least one gauge; and

a debris barrier coupled to the sensing link, wherein the debris barrier comprises:

a housing coupled to the sensing link; and

a barrier element configured to reduce the transport of particulates from the wellbore into the sensing link~~.~~ ;

wherein the sensing system further comprising a communication medium disposed in at least one of the sensing link or the housing~~.~~ ;

wherein the communication medium is configured to prevent fluid mixing within at least one of the housing or the sensing link, and wherein the communication medium is configured to communicate a pressure from the wellbore adjacent the debris barrier to the at least one gauge.

2. The sensing system of claim 1, further comprising a filter element disposed in the wellbore, wherein the debris barrier is disposed radially adjacent the filter element.

3. The sensing system of claim 1 , wherein the sensing system further comprises at least one gauge carrier configured to retain the at least one gauge about a wellbore tubular.

4. A method of sensing in a wellbore comprising:

communicating a pressure from a wellbore to at least one gauge through a communication medium disposed in at least one of a sensing link or a housing;

reducing the flow of particulates into the sensing link using a debris barrier, wherein the pressure communicates through the debris barrier; and

sensing the pressure using the at least one gauge.;

wherein the communication medium is configured to prevent fluid mixing within at least one of the housing or the sensing link, and wherein the communication medium is configured to communicate the pressure from the wellbore adjacent the debris barrier to the at least one gauge.

5. The method of claim 4, wherein the debris barrier and the at least one gauge are axially separated.

6. The method of claim 4, wherein the pressure from the wellbore comprises the pressure radially adjacent a filter element, wherein the at least one gauge is axially separated from the filter element.

7. A debris barrier for use in a wellbore comprising:

a housing coupled to a fluid communication line; and

a barrier element configured to reduce the transport of particulates from an exterior of the housing to an interior of the housing, wherein the housing and the barrier element are configured to communicate a pressure from an exterior of the housing to the fluid communication line.;

wherein the barrier element comprises a bladder disposed within the housing;

wherein the bladder is configured to substantially prevent fluid contact between the exterior of the housing and the fluid communication line.

8. The debris barrier of claim 7, further comprising a communication medium disposed in at least one of the fluid communication line or the housing.

9. The debris barrier of claim 7, wherein the barrier element comprises a plug disposed within the housing, wherein the housing comprises a seat, and wherein the plug is configured to engage the seat.

10. The debris barrier of claim 9, wherein the seat is configured to allow pressure to be communicated from the exterior of the housing to the interior of the housing when a ball is engaged with the seat.

11. The debris barrier of claim 7, wherein the barrier element comprises a piston slidingly engaged within the housing.

12. The debris barrier of claim 11, wherein the piston sealingly engages the housing.

13. The debris barrier of claim 7, wherein the barrier element comprises a strainer engaging the housing.

14. The debris barrier of claim 7, wherein the barrier element comprises one or more openings in the housing.

15. The debris barrier of claim 14, wherein the housing is integrally formed with the fluid communication line.