

Rosemount™ Quick Ship and Repair



Advanced Product and Service Solutions

- Supporting Australia & New Zealand organizations by investing in local manufacturing and services
- Reducing process downtime and maintaining plant uptime through emergency product solutions
- Reducing device lifecycle costs through cost effective Service and Repair activities
- Providing local access to global product solutions, quality, service, and world class delivery

Rosemount Quick Ship and Repair

Investing in local manufacturing and services for Australia and New Zealand

- \$1 million investment in infrastructure, equipment, resources, inventory, and training
- Solutions and options tailored to suit the Australia and New Zealand installed base of Rosemount products
- World class testing and calibration equipment to match the highest device specifications in the world

Supporting emergency orders through quick ship product solutions

- Brand new transmitters “Manufactured-to-Order” to match specific site applications
- Multiple priority options (Standard or Express) available to suit customer requirements
- Customizable configuration, calibration and features for each device: **What You Want, When You Want It**

Reducing operational costs through Repair solutions

- Cost effectively reinstate Rosemount products to original performance and specification
- Transition poorly performing devices and inventory “junk piles” to fully functioning devices
- Achieve operational efficiency by allowing site personnel to focus on the critical plant activities and requesting the Rosemount certified service team to complete low priority and routine calibration and testing activities

Global quality, local solution

- ISO 9001 quality endorsed and approved processes by both Rosemount and third party agencies
- Rosemount certified personnel extensively trained in overseas factories and production facilities
- Manufacturing and testing procedures in accordance with global factory procedures and processes

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Quick Ship

Overview

Quick Ship is a replication of the standard factory ordering and supply process with one key difference; all products are locally manufactured in Melbourne so that they can reach Australian and New Zealand customers quickly.

Unlike standard “stock solutions” where site personnel have to accept whatever product a supplier might have on their shelf (regardless whether it is overkill for their application) Quick Ship transmitters are “Manufactured to Order” to match exact site requirements and application needs.

All products are fully tested and assembled in accordance with Rosemount global manufacturing procedures and process to ensure the product you receive onsite is the of the same quality as if it was supplied from one of our global factories.

Priority service levels

In order to achieve operational flexibility and allow organizations to select the product and priority solution to match their needs, the Rosemount Quick Ship & Repair program offers two priority service levels for Quick Ship orders;

Standard priority

This is the default service level with the objective to dispatch the Quick Ship order within five business days of receiving an executable purchase order. Standard Priority service level is available for all products listed in the Product Offering and for quantities up to five units.

Express priority

This is a premium service level with the objective to dispatch the Quick Ship order within forty eight (48) hours of receiving an executable purchase order. Express Priority service level is available for the identified products listed in the Product Offering and for quantities up to one unit.

Refer to the Quick Ship & Repair program definition for full terms and conditions of each priority service level and for requirements in excess of the quantities indicated above, contact the QSR team for specific lead time advice.

Request a quote

To request a quotation and receive confirmation of priority service, simply follow the steps below:

Procedure

1. Review the product offering section of this document and build the product model code/s that are desired⁽¹⁾
2. Choose between Standard or Express priority service.
3. Contact the Rosemount team, either via the appropriate contact details provided or your local Field Sales representative, and submit a request for quotation including the following information;
 - a. Model code/s required
 - b. Priority service level required
 - c. Quantity required
 - d. Include “Rosemount QSR” in the email subject line or fax header

(1) Alternately, if you would like to discuss your specific application requirements and the solutions available, please contact your local Field Sales representative or the Emerson office via the contact details provided.

Place an order

Once the quotation has been received and accepted, submit an order using the following steps:

Procedure

1. Generate a purchase order to the appropriate company entity below and include the following information:
 - a. Quotation reference number
 - b. Product model code/s
 - c. Calibration range (if required)
 - d. Tag number (if required)
 - e. Configuration data sheets (if required)
 - f. Quantity required
2. Send a copy of the purchase order to either the fax or email address listed below with “Rosemount QSR” in the subject line;

T: 1300 553 051

F: 1300 303 152

E: emersonprocess.australia@emerson.com

W: [Emerson.com/en-au](https://www.emerson.com/en-au)

T: 09 441 0800

F: 09 444 0066

E: emersonprocess.newzealand@emerson.com

W: [Emerson.com/en-au](https://www.emerson.com/en-au)

Repair

Overview

By utilizing Rosemount certified repair services, devices can be cost effectively reinstated to original manufacturer performance and specifications. This can enhance the life of the device and ensure that operational performance is maintained in accordance with initial product purchase expectations.

By using factory production equipment to overhaul and repair Rosemount products, the entire service process can be guaranteed from process connection through to transmitter output terminals for the most comprehensive quality service in the market.

As part of the comprehensive repair services program all product documentation (calibration certificates, pressure testing, SIL documentation, material traceability, etc.) are issued in accordance and consistent with Rosemount global documentation programs.

Rosemount certified repair services extend to all Quick Ship products listed in the product offering section (including all DP Level, Direct and Remote seal solutions) as well as other unique product configuration, diaphragms and material specifications.



Request a repair

To discuss repair solutions and organize a Return Material Authorization (RMA) number and form for products to be returned for assessment and repair, simply follow the below steps;

Procedure

1. Request RMA via link go.emersonprocess.com/ANZ-RMA
2. Select what is the main purpose for your return.
3. Fill out all information on the webform.
4. An automated response will be sent to acknowledge the requested submission.
5. Within 24 hours we will email the RMA form for you to print and sign the contamination statement.
6. Pack your goods for return and include the signed RMA form and PO.
7. RMA number on top of the form is used as reference for tracking purposes.

T: 1300 553 051
F: 1300 303 152
E: emersonprocess.australia@emerson.com
W: Emerson.com/en-au

T: 09 441 0800
F: 09 444 0066
E: emersonprocess.newzealand@emerson.com
W: Emerson.com/en-au

Quick Ship Product Offering

Pressure

Rosemount 3051S Scalable™ Pressure Solutions

- Unique scalable platform optimizes performance, functionality and process connections for plant applications
- Simplify compliance with IEC 61508 safety certification
- Industry-leading performance and reliability with up to 10-year stability and 12-year limited warranty



3051S Scalable Coplanar Pressure Transmitter



3051S Scalable In-Line Pressure Transmitter

Rosemount 3051 Pressure Transmitter

- Proven industry standard with best-in-class capabilities
- Broadest offering to meet every application need
- Industry first installed 5-year stability and unmatched dynamic performance



3051C Coplanar Pressure Transmitter



3051T Inline Pressure Transmitter

Rosemount 2051 Pressure Transmitter

- Best-in-class performance with up to 0.065 percent reference accuracy
- Connect to virtually any process with a comprehensive offering of process connections
- High performance option for increased accuracy and 5-year stability



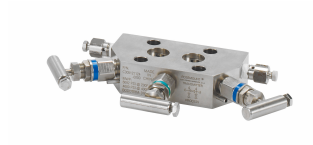
2051C Coplanar Pressure Transmitter



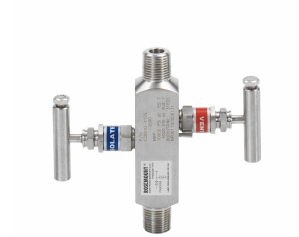
2051T Inline Pressure Transmitter

Rosemount Manifolds

- 2-, 3-, and 5-valve configuration available
- Integral manifold results in 50 percent fewer leak points and a 30 percent reduction in installed costs
- Factory-assembled, tested and calibrated



Rosemount 305 Integral Manifold



Rosemount 306 Inline Manifold

Ordering information

Rosemount 3051S Coplanar Pressure Transmitter



Rosemount 3051S Coplanar Pressure Transmitters are the industry leader for Differential, Gauge, and Absolute pressure measurement. The coplanar platform allows seamless integration with manifolds, primary elements, and seal solutions. Capabilities include:

- Ultra, Ultra for flow, and classic performance
- 4–20 mA HART® and FOUNDATION™ Fieldbus protocols
- Safety Certification (Option code QT)

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Online product configurator

Many products are configurable online using our Product Configurator. Select the **Configure** button or visit our [website](#) to start. With this tool's built-in logic and continuous validation, you can configure your products more quickly and accurately.

Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 1](#).

Figure 1: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
3051S	Scalable pressure transmitter	★

Performance class

Code	Description	
1	Ultra: 0.025% span accuracy, 200:1 rangedown, 15-year stability, 15-year limited warranty	★

Code	Description	
3 ⁽¹⁾	Ultra for Flow: 0.04% reading accuracy, 200:1 turndown, 15-year stability, 15-year limited warranty	
2	Classic: 0.035% span accuracy, 150:1 rangedown, 15-year stability	★

(1) This option is only available with range codes 2A & 3A, but only with 316L SST diaphragm and silicone fill fluid

Performance class

Code	Description	
1	Ultra: 0.025% span accuracy, 200:1 rangedown, 15-year stability, 15-year limited warranty	★
3 ⁽¹⁾	Ultra for Flow: 0.04% reading accuracy, 200:1 turndown, 15-year stability, 15-year limited warranty	
2	Classic: 0.035% span accuracy, 150:1 rangedown, 15-year stability	★

(1) This option is only available with range codes 2A and 3A, 316L SST or Alloy C-276 isolating diaphragm and silicone fill fluid.

Connection type

Code	Description	
C	Coplanar	★

Measurement type

Performance class code 3 is available with measurement type code D only.

Code	Description	
D	Differential	★
G	Gauge	★

Pressure range

Code	Differential	Gage	
1A	-25 to 25 in H ₂ O (-6.2160 to 6.2160 kPa)	-25 to 25 in H ₂ O (-6.2160 to 6.2160 kPa)	★
2A	-250 to 250 in H ₂ O (-62.1603 to 62.1603 kPa)	-250 to 250 in H ₂ O (-62.1603 to 62.1603 kPa)	★
3A	-1000 to 1000 in H ₂ O (-248.64 to 248.64 kPa)	-393 to 1000 in H ₂ O (-97.7159 to 248.64 kPa)	★
4A	-300 to 300 psi (-2068.431 to 2068.431 kPa)	-14.2 to 300 psi (-97.9057 to 2068.431 kPa)	★
5A	-2000 to 2000 psi (-13789.54 to 13789.54 kPa)	-14.2 to 2000 psi (-97.9057 to 13789.54 kPa)	★

Isolating diaphragm

Code	Description	
2 ⁽¹⁾	316L SST	★

(1) Materials of construction comply with metallurgical requirements highlighted within NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments. Order with Q15 or Q25 to receive a NACE certificate.

Process connection

Code	Description	Flange material	Drain vent	
000	None (SuperModule™ spare part, order output code A)			★
A11 ⁽¹⁾	Assemble to Rosemount 305 integral manifold			★
B11 ⁽¹⁾⁽²⁾⁽³⁾	Assemble to one Rosemount 1199 diaphragm seal	SST		★
B12 ⁽¹⁾⁽²⁾⁽³⁾	Assemble to two Rosemount 1199 diaphragm seals	SST		
E12	Coplanar flange, ¼-18 NPT	316 SST	316 SST	★
E13 ⁽⁴⁾	Coplanar flange, ¼-18 NPT	Cast C-276	Alloy C-276	
F12	Traditional flange, ¼-18 NPT	316 SST	316 SST	★

(1) "Assemble to" items are specified separately and require a completed model number. Process connection option codes B12, C11, D11, EA2, EA3, and EA5 are only available on differential Measurement Type, code D.

(2) Consult an Emerson representative for performance specifications.

(3) Not available with Performance Class code 3.

(4) Only for DP and with D7 option - non vented coplanar flange

Transmitter output

Code	Description	
A	4–20 mA with digital signal based on HART® protocol	★
F ⁽¹⁾	FOUNDATION™ Fieldbus protocol	★

(1) Requires Plantweb housing.

Housing style

Code	Description	Material	Conduit entry size	
00	None (SuperModule™ spare part, order output code A)	N/A	N/A	★
1B	Plantweb housing	Aluminum	M20 x 1.5	★
1K	Plantweb housing	SST	M20 x 1.5	★
2B	Junction box housing	Aluminum	M20 x 1.5	

Additional options**Mounting bracket**

For process connection option code A11, the mounting bracket must be ordered as part of the manifold model number.

Code	Description	
B4	Coplanar flange bracket, all SST, 2-in. pipe and panel	★
B1	Traditional flange bracket, CS, 2-in. pipe	★
B3	Traditional flange flat bracket, CS, 2-in. pipe	★
B7	Traditional flange bracket, B1 with SST bolts	★
B9	Traditional flange bracket, B3 with SST bolts	
BA	Traditional flange bracket, B1, all SST	★
BC	Traditional flange bracket, B3, all SST	
BE	316SST B4-style bracket with 316SST bolting	

Software configuration

Code	Description	
C1 ⁽¹⁾	Custom software configuration (requires Configuration Data Sheet)	★

(1) Not available with output code F.

Alarm limit

This is not available with output code F and X.

Code	Description	
C4	NAMUR alarm and saturation levels, high alarm	
C5	NAMUR alarm and saturation levels, low alarm	
C6	Custom alarm and saturation signal levels, high alarm (requires C1 and Configuration Data Sheet)	
C7	Custom alarm and saturation signal levels, low alarm (requires C1 and Configuration Data Sheet)	
C8	Low alarm (standard Rosemount alarm and saturation levels)	

Hardware adjustments

This is not available with output code F, X, and housing style codes 00, 2E, 2F, 2G, 2M, 5A, 5J, or 7J.

Code	Description	
D1	Hardware adjustments (zero, span, alarm, security)	★

Flange adapter

This is not available with process connection option code A11.

Code	Description	
D2	½-14 NPT flange adapter	★

Ground screw

This assembly is included with options EP, KP, E1, N1, K1, ND, E4, E7, N7, K7, E2, E3, KA, KC, KD, IA, IB, IE, IF, IG, KG, T1, K2, N3, EM, and KM.

Code	Description	
D4	External ground screw assembly	★

Drain/vent valve

This is not available with process connection option code A11.

Code	Description	
D7 ⁽¹⁾	SST coplanar flange without drain/vent ports	

(1) Only available for DP application with Hastelloy type of coplanar flange.

Conduit plug

Transmitter is shipped with 316 SST conduit plug (uninstalled) in place of standard aluminum conduit plug.

Code	Description	
DO	316 SST conduit plug	★

Product certifications

Code	Description	
K7	IECEX Flameproof, Dust, Intrinsic Safety, Type n	★
E7	IECEX Flameproof, Dust	★
I7	IECEX Intrinsic Safety	★

Bolting material

This is not available with process connection option code A11.

Code	Description	
L4	Austenitic 316 SST bolts	★

Display type

This is not available with housing code 7J.

Code	Description	
M5	Plantweb™ LCD display	★

Pressure testing

P1 is not available with 3051S_CA0.

Code	Description	
P1	Hydrostatic testing with certificate	

Maximum static line pressure

Code	Description	
p9 ⁽¹⁾	4500 psig (310 bar) static pressure limit (Rosemount 3051S_CD only)	★

(1) When assembled to remote diaphragm seal system using B11 or B12 process connections, the maximum working pressure of the system may be limited by the rating of the Rosemount 1199 Seal System selected.

Calibration certification

Code	Description	
Q4	Calibration certificate	★

Material traceability certification

Code	Description
Q8	Material traceability certification per EN 10204 3.1

Quality certification for safety

This is not available with output code F or X. Not available with housing code 7J.

Code	Description
QT	Safety-certified to IEC 61508 with certificate of FMEDA data

Toolkit total system performance reports

Can be supplied by sales engineer.

Code	Description
QZ	Remote seal system performance calculation report

Transient protection

The T1 option is not needed with FISCO Product Certifications; transient protection is included in the FISCO product certification codes IA, IB, IE, IF, IG, and KG. This is not available with Housing code 00, 5A, 5J, or 7J.

Code	Description
T1	Transient terminal block

Special options

Code	Description
Y2	316SST label/tagging materials (includes fasteners and wire-on tag/s)
A0259	IECEx Group I mining approval

Rosemount 3051S In-line Pressure Transmitter



Rosemount 3051S In-line Pressure Transmitters are the industry leader for Gauge and Absolute pressure measurement. The in-line, compact design allows the transmitter to be connected directly to a process for quick, easy and cost effective installation. Capabilities include:

- Ultra and Classic Performance
- 4–20 mA HART® and FOUNDATION™ Fieldbus protocols
- Safety certification (Option code QT)

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Online product configurator

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 2](#).

Figure 2: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
3051ST	Scalable Pressure Transmitter	★

Performance class

Code	Description	
1	Ultra: 0.025% span accuracy, 200:1 rangedown, 15-year stability, 15-year limited warranty	★
2	Classic: 0.035% span accuracy, 150:1 rangedown, 15-year stability	★

Connection type

Code	Description	
T	In-line	★

Primary pressure range

Code	TG range	
1A	-14.7 to 30 psi (-101.1969 to 206.8431 kPa)	★
2A	-14.7 to 150 psi (-101.1969 to 1034.2155 kPa)	★
3A	-14.7 to 800 psi (-101.1969 to 5515.816 kPa)	★
4A	-14.7 to 4000 psi (-101.1969 to 27579.08 kPa)	★

Isolating diaphragm

Materials of Construction comply with metallurgical requirements highlighted within NACE® MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments. Order with Q15 or Q25 to receive a NACE certificate. Isolator diaphragm selection will dictate materials of construction for wetted parts.

Code	Description	
2	316L SST	★
3	Alloy C-276	

Process connection

Code	Description	
A11 ⁽¹⁾	Assemble to Rosemount 306 integral manifold	★
B11 ⁽¹⁾⁽²⁾	Assemble to one Rosemount 1199 seal	★
E11	½–14 NPT female	★

(1) "Assemble to" items are specified separately and require a completed model number.

(2) Consult an Emerson representative for performance specifications.

Transmitter output

Code	Description	
A	4–20 mA with digital signal based on HART® protocol	★
F ⁽¹⁾	FOUNDATION™ Fieldbus protocol	★

(1) Requires Plantweb housing.

Housing style

Code	Description	Material	Conduit entry size	
00	None (SuperModule™ spare part, order output code A)	N/A	N/A	★
1B	Plantweb housing	Aluminum	M20 x 1.5	★
1K	Plantweb housing	SST	M20 x 1.5	★

Code	Description	Material	Conduit entry size	
2B	Junction box housing	Aluminum	M20 x 1.5	

Additional options

Mounting bracket

Code	Description	
B4	Bracket, all SST, 2-in. pipe and panel	★
BE	316SST B4-style bracket with 316SST bolting	

Software configuration

This is not available with output code F.

Code	Description	
C1	Custom software configuration (requires Configuration Data Sheet)	

Alarm limit

This is not available with output code F and X.

Code	Description	
C4	NAMUR alarm and saturation levels, high alarm	
C5	NAMUR alarm and saturation levels, low alarm	
C6	Custom alarm and saturation signal levels, high alarm (requires C1 and Configuration Data Sheet)	
C7	Custom alarm and saturation signal levels, low alarm (requires C1 and Configuration Data Sheet)	
C8	Low alarm (standard Rosemount alarm and saturation levels)	

Hardware adjustments

This is not available with output code F, X, and housing style codes 00, 2E, 2F, 2G, 2M, 5A, 5J, or 7J.

Code	Description	
D1	Hardware adjustments (zero, span, alarm, security)	★

Ground screw

This assembly is included with options EP, KP, E1, N1, K1, ND, E4, E7, N7, K7, E2, E3, KA, KC, KD, IA, IB, IE, IF, IG, KG, T1, K2, N3, EM, and KM.

Code	Description	
D4	External ground screw assembly	★

Product certifications

Code	Description	
K7	IECEx Flameproof, Dust, Intrinsic Safety, Type n	★
E7	IECEx Flameproof, Dust	★

Code	Description	
I7	IECEX Intrinsic Safety	★

Display type

This is not available with housing code 7J.

Code	Description	
M5	Plantweb™ LCD display	★

Pressure testing

P1 is not available with 3051S_CA0.

Code	Description	
P1	Hydrostatic testing with certificate	

Calibration certification

Code	Description	
Q4	Calibration certificate	★

Material traceability certification

Code	Description	
Q8	Material traceability certification per EN 10204 3.1	

Quality certification for safety

This is not available with output code F or X. Not available with housing code 7J.

Code	Description	
QT	Safety-certified to IEC 61508 with certificate of FMEDA data	★

Toolkit total system performance reports

Can be supplied by sales engineer.

Code	Description	
QZ	Remote seal system performance calculation report	

Transient protection

The T1 option is not needed with FISCO Product Certifications; transient protection is included in the FISCO product certification codes IA, IB, IE, IF, IG, and KG. This is not available with Housing code 00, 5A, 5J, or 7J.

Code	Description	
T1	Transient terminal block	★

Special options

Code	Description	
Y2	316SST label/tagging materials (includes fasteners and wire-on tag/s)	
A0259	IECEX Group I mining approval	

Rosemount 3051C Coplanar Pressure Transmitter ordering information



Rosemount 3051C Coplanar Pressure Transmitters are the industry standard for differential, gage, and absolute pressure measurement. The coplanar platform enables seamless integration with manifolds, flow, and level solutions. Capabilities include:

- The Loop Integrity Diagnostic continuously monitors the electrical loop to detect changes that compromise the integrity of the transmitted 4-20 mA output signal (Option Code DA0).
- LOI with straightforward menus and built-in configuration buttons (option code M4).
- Safety certification (option code QT).

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 3](#).

Figure 3: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
3051C	Coplanar pressure transmitter	★

Measurement type

Code	Description	
D	Differential	★
G	Gage	★

Pressure ranges

Code	Rosemount 3051CD	Rosemount 3051CG	
1	-25 to 25 inH ₂ O (-6.2160 to 6.2160 kPa)	-25 to 25 inH ₂ O (-6.2160 to 6.2160 kPa)	★
2	-250 to 250 inH ₂ O (-62.1603 to 62.1603 kPa)	-250 to 250 inH ₂ O (-62.1603 to 62.1603 kPa)	★
3	-1000 to 1000 inH ₂ O (-248.64 to 248.64 kPa)	-393 to 1000 inH ₂ O (-97.7159 to 248.641 kPa)	★
4	-300 to 300 psi (-2068.431 to 2068.431 kPa)	-14.7 to 300 psi (-97.9057 to 2068.431 kPa)	★
5	-2000 to 2000 psi (-13789.54 to 13789.54 kPa)	-14.7 to 2000 psi (-97.9057 to 13789.54 kPa)	★

Transmitter output

Code	Description	
A ⁽¹⁾	4–20 mA with digital signal based on HART® Protocol	★
F	FOUNDATION™ Fieldbus Protocol	★

(1) HART Revision 5 is the default HART output.

Materials of construction

Code	Transmitter flange type	Flange material	Drain/vent	
2	Coplanar	SST	SST	★
3 ⁽¹⁾ (2)	Coplanar	Cast C-276	Alloy C-276	
0	Alternate process connection			★

(1) Materials of construction comply with recommendations per NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.

(2) Only available for DP and with D7 option - non vented coplanar flange

Isolating diaphragm

Code	Description	
2 ⁽¹⁾	316L SST	★

(1) Materials of construction comply with recommendations per NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.

O-ring

Code	Description	
A	Glass-filled PTFE	★

Sensor fill fluid

Code	Description	
1	Silicone	★

Housing material

Code	Description	Conduit entry size	
B	Aluminum	M20 x 1.5	★
K	SST	M20 x 1.5	★

Additional options**Plantweb™ control functionality**

Code	Description	
A01	FOUNDATION™ Fieldbus control function block suite	★

Plantweb™ diagnostic functionality

Code	Description	
DA0	Loop Integrity HART® Diagnostic	★
D01	FOUNDATION™ Fieldbus Diagnostics Suite	★

Alternate flange

The alternate flange option code requires the 0 code in materials of construction for alternate process connection.

Code	Description	
H2	Traditional flange, 316 SST, SST drain/bent	★

Manifold assembly

“Assemble-to” items are specified separately and require a completed model number.

Code	Description	
S5	Assemble to Rosemount 305 Integral Manifold	★

Mounting bracket

Panel mounting bolts are not supplied.

Code	Description	
B4	Coplanar flange bracket, all SST, 2-in. (51 mm) pipe and panel	★
B1	Traditional flange bracket, CS, 2-in. (51 mm) pipe	★
B3	Traditional flange flat bracket, CS, 2-in. (51 mm) pipe	★
B7	Traditional flange bracket, B1 with SST bolts	★
B9	Traditional flange bracket, B3 with SST bolts	
BA	Traditional flange bracket, B1, all SST	★
BC	Traditional flange bracket, B3, all SST	
BE	Coplanar flange bracket, all SST	

Product certifications

Code	Description	
K7	IECEX Flameproof, Dust, Intrinsic Safety, Type n	★
E7	IECEX Flameproof, Dust	★
I7	IECEX Intrinsic Safety	★

Bolting material

This is not available with process connection option code A11.

Code	Description	
L4	Austenitic 316 SST bolts	★

Display and interface options

Code	Description	
M4 ⁽¹⁾	LCD display with LOI	★
M5	LCD display	★
M6	LCD display for SST housing (housing code K)	★

(1) Only available with 4-20 mA HART[®] output (code A) and PROFIBUS[®]-PA (code W).

Configuration buttons

Code	Description	
D4 ⁽¹⁾	Analog zero and span	★

(1) Only available with HART[®] 4–20 mA output (code A).

Alarm levels

The alarm levels option is only available with HART 4–20 mA output (code A).

Code	Description	
C4 ⁽¹⁾	Analog output levels compliant with NAMUR recommendation NE 43, alarm high	★
CN ⁽¹⁾	Analog output levels compliant with NAMUR recommendation NE 43, alarm low	★
CR	Custom alarm and saturation signal levels, high alarm (requires C1 and Rosemount 3051 Configuration Data Sheet)	★
CS	Custom alarm and saturation signal levels, low alarm (requires C1 and Rosemount 3051 Configuration Data Sheet)	★
CT	Rosemount standard low alarm	★

(1) NAMUR-compliant operation is preset at the factory and can be changed to standard operation in the field for the standard Rosemount 3051.

Calibration certificate

Code	Description	
Q4	Calibration certificate	★

Material traceability certification

Code	Description	
Q8	Material traceability certification per EN 10204 3.1	★

Toolkit total system performance reports

Can be supplied by sales engineer.

Code	Description
QZ	Remote seal system performance calculation report

High accuracy

Only available with standard Rosemount 3051.

Code	Description
P8	0.04% accuracy to 5:1 turndown (range 2-4)

Quality certification for safety

The quality certification for safety is only available with HART® 4–20 mA output (code A).

Code	Description
QT	Safety certified to IEC 61508 with certificate of FMEDA

Transient protection

The transient protection option is not available with wireless output (code X). The T1 option is not needed with FISCO Product Certifications; transient protection is included in the FISCO product certification codes IA, IB, and IE.

Code	Description
T1	Transient protection terminal block

Software configuration

The software configuration option is only available with HART® 4–20 mA output (output code A) and wireless output (output code X).

Code	Description
C1	Custom software configuration (For wired, see the Rosemount 3051 Configuration Data Sheet . For wireless, see the Rosemount 3051 Wireless Configuration Data Sheet .)

Pressure testing

Code	Description
P1	Hydrostatic testing with certificate

Flange adapters

This option is not valid with alternate process connection options S3, S4, S5, and S6.

Code	Description
DF	½–14 NPT flange adapter(s)

Vent drain valves

Code	Description	
D7 ⁽¹⁾	Coplanar flange without drain/vent ports	
DC	Ports left open - None	

(1) Only available for DP and with flange option code 3 Alloy C-276 coplanar flange

Conduit plug

The conduit plug option is not available with wireless output (code X).

Code	Description	
DO	316 SST conduit plug	★

Maximum static line pressure

Code	Description	
P9	4500 psig (310,26 bar) static pressure limit (Rosemount 3051CD ranges 2–5 only)	★

Ground screw

The ground screw option is not available with wireless output (code X). The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.

Code	Description	
V5	External ground screw assembly	★

HART revision configuration (requires HART Protocol output code A)

HART[®] Revision 5 is the default HART output.

Code	Description	
HR5	Configured for HART Revision 5	★
HR7	Configured for HART Revision 7	★

Special options

Code	Description	
Y2	316SST label/tagging materials (includes fasteners and wire-on tag/s)	
A0259	IECEX Group I mining approval	

Rosemount 3051T In-Line Transmitter ordering information



Rosemount 3051T In-Line Pressure Transmitters are the industry standard for gage and absolute pressure measurement. The in-line, compact design allows the transmitter to be connected directly to a process for quick, easy and cost effective installation. Capabilities include:

- The Loop Integrity Diagnostic continuously monitors the electrical loop to detect changes that compromise the integrity of the transmitted 4-20 mA output signal (Option Code DA0).
- LOI with straightforward menus and built-in configuration buttons (option code M4).
- Safety certification (option code QT).

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 4](#).

Figure 4: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description
3051T	In-Line Pressure Transmitter

Pressure type

Code	Description	
G	Gage	★

Pressure range

Code	Description	
1	-14.7 to 30 psi (-101.1969 to 206.843 kPa)	★
2	-14.7 to 150 psi (-101.1969 to 1034.2155 kPa)	★
3	-14.7 to 800 psi (-101.1969 to 5515.816 kPa)	★
4	-14.7 to 4000 psi (-101.1969 to 27579.08 kPa)	★

Transmitter output

Code	Description	
A ⁽¹⁾	4–20 mA with digital signal based on HART® Protocol	★
F	FOUNDATION™ Fieldbus Protocol	★

(1) HART Revision 5 is the default HART output.

Process connection style

Code	Description	
2B	½-14 NPT female (range 1-5 only)	★

Isolating diaphragm

Materials of Construction comply with recommendations per NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.

Code	Isolating diaphragm	Process connection wetted parts material	
2	316L stainless steel	316L stainless steel	★

Sensor fill fluid

Code	Description	
1	Silicone	★

Housing material

Code	Housing material	Conduit entry size	
B	Aluminum	M20 x 1.5	★
K	Stainless steel	M20 x 1.5	

Additional options**Plantweb™ control functionality**

Code	Description	
A01	FOUNDATION™ Fieldbus control function block suite	★

Plantweb™ diagnostic functionality

Code	Description	
DA0	Loop Integrity HART® Diagnostic	★
D01	FOUNDATION™ Fieldbus Diagnostics Suite	★

Integral assembly

“Assemble-to” items are specified separately and require a completed model number.

Code	Description	
S5	Assemble to Rosemount 306 Integral Manifold	★

Diaphragm seal assemblies

“Assemble-to” items are specified separately and require a completed model number.

Code	Description	
S1	Assemble to one Rosemount 1199 seal	CF

Mounting bracket

Panel mounting bolts are not supplied.

Code	Description	
B4	Bracket for 2-in. pipe or panel mounting, all stainless steel	★

Product certifications

Code	Description	
K7	IECEX Flameproof, Dust, Intrinsic Safety, Type n	★
E7	IECEX Flameproof, Dust	★
I7	IECEX Intrinsic Safety	★

Display and interface options

Code	Description	
M4 ⁽¹⁾	LCD display with LOI	★
M5	LCD display	★
M6	LCD display for SST housing (housing code K)	★

(1) Only available with 4-20 mA HART® output (code A) and PROFIBUS®-PA (code W).

Configuration buttons

Code	Description	
D4 ⁽¹⁾	Analog zero and span	★

(1) Only available with HART® 4–20 mA output (code A).

Alarm levels

The alarm levels option is only available with HART 4–20 mA output (code A).

Code	Description	
C4 ⁽¹⁾	Analog output levels compliant with NAMUR recommendation NE 43, alarm high	★
CN ⁽¹⁾	Analog output levels compliant with NAMUR recommendation NE 43, alarm low	★
CR	Custom alarm and saturation signal levels, high alarm (requires C1 and Rosemount 3051 Configuration Data Sheet)	★
CS	Custom alarm and saturation signal levels, low alarm (requires C1 and Rosemount 3051 Configuration Data Sheet)	★
CT	Rosemount standard low alarm	★

(1) NAMUR-compliant operation is preset at the factory and can be changed to standard operation in the field for the standard Rosemount 3051.

Calibration certificate

Code	Description	
Q4	Calibration certificate	★

Material traceability certification

Code	Description	
Q8	Material traceability certification per EN 10204 3.1	★

Quality certification for safety

The quality certification for safety is only available with HART® 4–20 mA output (code A).

Code	Description	
QT	Safety certified to IEC 61508 with certificate of FMEDA	★

Toolkit total system performance reports

Can be supplied by sales engineer.

Code	Description	
QZ	Remote seal system performance calculation report	

Conduit plug

The conduit plug option is not available with wireless output (code X).

Code	Description	
DO	316 SST conduit plug	★

Transient protection

The transient protection option is not available with wireless output (code X). The T1 option is not needed with FISCO Product Certifications; transient protection is included in the FISCO product certification codes IA, IB, and IE.

Code	Description	
T1	Transient protection terminal block	★

Software configuration

The software configuration option is only available with HART® 4–20 mA output (output code A) and wireless output (output code X).

Code	Description	
C1	Custom software configuration (For wired, see the Rosemount 3051 Configuration Data Sheet . For wireless, see the Rosemount 3051 Wireless Configuration Data Sheet .)	★

Pressure testing

Code	Description	
P1	Hydrostatic testing with certificate	

High accuracy

Only available with standard Rosemount 3051.

Code	Description	
P8	0.04% accuracy to 5:1 turndown (range 2-4)	★

Ground screw

The ground screw option is not available with wireless output (code X). The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.

Code	Description	
V5	External ground screw assembly	★

HART revision configuration (requires HART Protocol output code A)

HART® Revision 5 is the default HART output.

Code	Description	
HR5	Configured for HART Revision 5	★
HR7	Configured for HART Revision 7	★

Special options

Code	Description	
Y2	316SST label/tagging materials (includes fasteners and wire-on tag/s)	
A0259	IECEX Group I mining approval	

Rosemount 2051C Coplanar Pressure Transmitter



- Performance up to 0.05% of span accuracy
- Patented coplanar technology allows direct mounting to pressure, flow or level solutions for installation flexibility
- Delivered fully assembled to manifolds, diaphragm seals or primary flow elements for straightforward installation
- Local Operator Interface offers easy-to-use menus and built-in configuration buttons for streamline commissioning
- SIL 2/3 certified to IEC 61508 (via 3rd party) and prior-use certificate of FMEDA data for safety installations

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 5](#).

Figure 5: Model Code Example

3051C D 2 X 2 2 M5 B4

1
2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
2051C	Coplanar Pressure Transmitter	★

Measurement type

Code	Description	
D	Differential	★
G	Gage	★

Pressure range

Code	Differential (Rosemount 2051CD)	Gage (Rosemount 2051CG)	
1	-25 to 25 inH ₂ O (-62.2 to 62.2 mbar)	-25 to 25 inH ₂ O (-62.2 to 62.2 mbar)	★
2	-250 to 250 inH ₂ O (-623 to 623 mbar)	-250 to 250 inH ₂ O (-623 to 623 mbar)	★
3	-1000 to 1000 inH ₂ O (-2.5 to 2.5 bar)	-393 to 1000 inH ₂ O (-0.98 to 2.5 bar)	★
4	-300 to 300 psi (-20.7 to 20.7 bar)	-14.2 to 300 psi (-0.98 to 20.7 bar)	★
5	-2000 to 2000 psi (-137.9 to 137.9 bar)	-14.2 to 2000 psi (-0.98 to 137.9 bar)	★

Transmitter output

Code	Description	
A ⁽¹⁾	4-20 mA with digital signal based on HART® Protocol	★
F	FOUNDATION™ Fieldbus Protocol	

(1) HART Revision 5 is the default HART output. The Rosemount 2051 with Selectable HART can be factory or field configured to HART Revision 7. To order HART Revision 7 factory configured, add option code HR7.

Transmitter flange type, material, drain/vent

Code	Description	Flange material	Drain/vent	
2		SST	SST	★
3 ⁽¹⁾⁽²⁾	Coplanar	Cast C-276	Alloy C-276	
0		Alternate process connection		★

(1) Materials of construction comply with recommendations per NACE® MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments. Order with Q15 or Q25 to receive a NACE certificate.

(2) Only available for DP and with D7 option - non vented coplanar flange.

Isolating diaphragm

Code	Description	
2	316L SST	★

O-ring

Code	Description	
A	Glass-filled PTFE	★

Sensor fill fluid

Code	Description	
1	Silicone	★

Housing material

Code	Description	Conduit entry size	
B	Aluminum	M20 x 1.5	★
K	SST	M20 x 1.5	★

Additional options**Plantweb™ control functionality**

Code	Description	
A01	FOUNDATION™ Fieldbus advance control function block suite	

Alternate flange

The alternate flange option code requires the 0 code in materials of construction for alternate process connection.

Code	Description	
H2	Traditional flange, 316 SST, SST drain/vent	★

Manifold assembly

“Assemble-to” items are specified separately and require a completed model number.

Code	Description	
S5	Assemble to Rosemount 305 Integral Manifold	★

Seal assemblies

“Assemble-to” items are specified separately and require a completed model number.

Code	Description	
S1 ⁽¹⁾	Assemble to one Rosemount 1199 seal	

(1) Not valid with option code D9 for RC1/2 adapters.

Mounting brackets

Code	Description	
B1	Traditional flange bracket for 2-in. pipe mounting, CS bolts	
B3	Traditional flange flat bracket for 2-in. pipe mounting, CS bolts	
B4	Coplanar flange bracket for 2-in. pipe or panel mounting, all SST	
B7	B1 bracket with Series 300 SST bolts	
B9	B3 bracket with Series 300 SST bolts	
BA	SST B1 bracket with Series 300 SST bolts	
BC	SST B3 bracket with Series 300 SST bolts	
BE	Coplanar flange bracket, all SST	

Product certifications

Code	Description	
K7	IECEX Flameproof, Dust, Intrinsic Safety, Type n	★
E7	IECEX Flameproof, Dust	★
I7	IECEX Intrinsic Safety	★

Bolting material

Code	Description	
L4	Austenitic 316 SST bolts	★

Display and interface options

Code	Description	
M4 ⁽¹⁾	LCD display with LOI	★
M5	LCD display	★

(1) Not available with FOUNDATION™ Fieldbus (output code F) or wireless (output code X).

Hardware adjustments

Code	Description	
D4 ⁽¹⁾	Zero and span configuration buttons	★

(1) Only available with 4-20 mA HART® (output code A) and Low Power (output code M).

Flange adapters

This option is not valid with alternate process connection options S3, S4, S5, or S6.

Code	Description	
DF	½–14 NPT flange adapters	★

Conduit plug

Code	Description	
DO	316 SST conduit plug	★

Ground screw

The ground screw option is not available with wireless output (code X). The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.

Code	Description	
V5	External ground screw assembly	★

Performance

Code	Description	
P8	High performance option	CF

Transient protection

The transient protection option is not available with wireless output (code X). The T1 option is not needed with FISCO Product Certifications; transient protection is included in the FISCO product certification codes IA, IB, and IE.

Code	Description	
T1	Transient protection terminal block	★

Software configuration

The software configuration option is only available with HART 4–20 mA output (output code A) and wireless output (output code X).

Code	Description	
C1	Custom software configuration (completed Rosemount 2051 Configuration Data Sheet or Rosemount 2051 Wireless Configuration Data Sheet .)	CF

Alarm limit

The option is not available with FOUNDATION™ Fieldbus (output code F) or wireless (output code X).

Code	Description	
C4	NAMUR alarm and saturation levels, high alarm	★
CN	NAMUR alarm and saturation levels, low alarm	★
CR	Custom alarm and saturation signal levels, high alarm (requires C1 and Configuration Data Sheet)	★
CS	Custom alarm and saturation signal levels, low alarm (requires C1 and Configuration Data Sheet)	★
CT	Low alarm (standard Rosemount alarm and saturation levels)	★

Pressure testing

Code	Description	
P1 ⁽¹⁾	Hydrostatic testing with certificate	★

(1) Not available with pressure range 0.

Maximum static line pressure

Code	Description	
P9	4500 psig (310 bar) static pressure limit (Rosemount 2051CD Ranges 2–5 only)	★

Calibration certificate

Code	Description	
Q4	Calibration certificate	★

Material traceability certification

Code	Description	
Q8	Material traceability certification per EN 10204 3.1	★

Quality certification for safety

The quality certification for safety is only available with HART® 4–20 mA output (code A).

Code	Description	
QT	Safety certified to IEC 61508 with certificate of FMEDA	★

HART revision configuration

Only available with 4–20 mA HART® (output code A).

Code	Description	
HR5 ⁽¹⁾	Configured for HART Revision 5	★
HR7 ⁽²⁾	Configured for HART Revision 7	★

(1) Configures the HART output to HART Revision 5. The device can be field configured to HART Revision 7 if needed.

(2) Configures the HART output to HART Revision 7. The device can be field configured to HART Revision 5 if needed.

Special option

This option is available for HART® with no approval code E7 and K7

Code	Description	
Y2	316SST label/tagging materials (includes fasteners and wire-on tag/s)	

Rosemount 2051T In-line Pressure Transmitter ordering information



- Intuitive Local Operator Interface streamlines commissioning for simple and cost-effective installation
- SIL 2/3 certified to IEC 61508 (via 3rd party) and prior-use certificate of FMEDA data for safety installations

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 6](#).

Figure 6: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
2051T	In-Line Pressure Transmitter	★

Pressure type

Code	Description	
G	Gage	★

Pressure range

Code	Description	
1	-14.7 to 30 psi (-1.01 to 2.1 bar) (-101.3531 to 206.8431 kPa)	★
2	-14.7 to 150 psi (-1.01 to 10.3 bar) (-101.3531 to 1034.2155 kPa)	★
3	-14.7 to 800 psi (-1.01 to 55.2 bar) (-101.3531 to 5515.816 kPa)	★
4	-14.7 to 4000 psi (-1.01 to 275.8 bar) (-101.3531 to 27579.08 kPa)	★

Transmitter output

Code	Description	
A ⁽¹⁾	4–20 mA with digital signal based on HART® Protocol	★
F	FOUNDATION™ Fieldbus Protocol	

(1) HART Revision 5 is the default HART output. The Rosemount 2051 with Selectable HART can be factory or field configured to HART Revision 7. To order HART Revision 7 factory configured, add option code HR7.

Process connection style

Code	Description	
2B	½–14 NPT female	★

Isolating diaphragm

Code	Isolating diaphragm	Process connection wetted parts material	
2	316L SST	316L SST	★

Sensor fill fluid

Code	Description	
1	Silicone	★

Housing material

Code	Description	Conduit entry size	
B	Aluminum	M20 x 1.5	★
K	SST	M20 x 1.5	★

Additional options**Plantweb™ control functionality**

Code	Description	
A01	FOUNDATION™ Fieldbus advance control function block suite	

Manifold assembly

“Assemble-to” items are specified separately and require a completed model number.

Code	Description	
S5	Assemble to Rosemount 305 Integral Manifold	★

Seal assemblies

“Assemble-to” items are specified separately and require a completed model number.

Code	Description	
S1 ⁽¹⁾	Assemble to one Rosemount 1199 seal	

(1) Not valid with option code D9 for RC1/2 adapters.

Mounting brackets

Code	Description	
B4	Coplanar flange bracket for 2-in. pipe or panel mounting, all SST	

Mounting brackets

Code	Description	
B1	Traditional flange bracket for 2-in. pipe mounting, CS bolts	
B3	Traditional flange flat bracket for 2-in. pipe mounting, CS bolts	
B4	Coplanar flange bracket for 2-in. pipe or panel mounting, all SST	
B7	B1 bracket with Series 300 SST bolts	
B9	B3 bracket with Series 300 SST bolts	
BA	SST B1 bracket with Series 300 SST bolts	
BC	SST B3 bracket with Series 300 SST bolts	
BE	Coplanar flange bracket, all SST	

Product certifications

Code	Description	
K7	IECEX Flameproof, Dust, Intrinsic Safety, Type n	★
E7	IECEX Flameproof, Dust	★
I7	IECEX Intrinsic Safety	★

Display and interface options

Code	Description	
M4 ⁽¹⁾	LCD display with LOI	★
M5	LCD display	★

(1) Not available with FOUNDATION™ Fieldbus (output code F) or wireless (output code X).

Hardware adjustments

Code	Description	
D4 ⁽¹⁾	Zero and span configuration buttons	★

(1) Only available with 4-20 mA HART® (output code A) and Low Power (output code M).

Conduit plug

Code	Description	
DO	316 SST conduit plug	★

Ground screw

The ground screw option is not available with wireless output (code X). The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.

Code	Description	
V5	External ground screw assembly	★

Performance

Code	Description	
P8	High performance option	CF

Transient protection

The transient protection option is not available with wireless output (code X). The T1 option is not needed with FISCO Product Certifications; transient protection is included in the FISCO product certification codes IA, IB, and IE.

Code	Description	
T1	Transient protection terminal block	★

Software configuration

The software configuration option is only available with HART 4–20 mA output (output code A) and wireless output (output code X).

Code	Description	
C1	Custom software configuration (completed Rosemount 2051 Configuration Data Sheet or Rosemount 2051 Wireless Configuration Data Sheet .)	CF

Alarm limit

The option is not available with FOUNDATION™ Fieldbus (output code F) or wireless (output code X).

Code	Description	
C4	NAMUR alarm and saturation levels, high alarm	★
CN	NAMUR alarm and saturation levels, low alarm	★
CR	Custom alarm and saturation signal levels, high alarm (requires C1 and Configuration Data Sheet)	★
CS	Custom alarm and saturation signal levels, low alarm (requires C1 and Configuration Data Sheet)	★
CT	Low alarm (standard Rosemount alarm and saturation levels)	★

Pressure testing

Code	Description	
P1 ⁽¹⁾	Hydrostatic testing with certificate	★

(1) Not available with pressure range 0.

Calibration certificate

Code	Description	
Q4	Calibration certificate	★

Material traceability certification

Code	Description	
Q8	Material traceability certification per EN 10204 3.1	★

Quality certification for safety

The quality certification for safety is only available with HART® 4–20 mA output (code A).

Code	Description	
QT	Safety certified to IEC 61508 with certificate of FMEDA	★

Toolkit total system performance reports

Code	Description	
QZ	Remote seal system performance calculation report	CF

HART revision configuration

Only available with 4–20 mA HART® (output code A).

Code	Description	
HR5 ⁽¹⁾	Configured for HART Revision 5	★
HR7 ⁽²⁾	Configured for HART Revision 7	★

(1) Configures the HART output to HART Revision 5. The device can be field configured to HART Revision 7 if needed.

(2) Configures the HART output to HART Revision 7. The device can be field configured to HART Revision 5 if needed.

Special option

This option is available for HART® with no approval code E7 and K7

Code	Description	
Y2	316SST label/tagging materials (includes fasteners and wire-on tag/s)	

Rosemount 305 Coplanar Manifolds



Rosemount Coplanar Manifolds provide a leak-checked and pressure-tested single point solution when assembled to Rosemount Pressure Transmitters. The coplanar platform reduces potential leak paths by 50 percent over conventional style process connections while also reducing overall connection system weight.

Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 7](#).

Figure 7: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
0305	Integral manifold	

Manufacturer

Code	Description	
R	Rosemount	★

Manifold style

Code	Description	
C	Coplanar	★
T	Traditional	★

Manifold type

Code	Description	
2	Two-valve	★
3	Three-valve	★
5 ⁽¹⁾	Five-valve	★

(1) Not available with traditional manifold style T.

Materials of construction

Refer to Materials of construction for additional detail on process wetted materials of construction.

Code	Body	Bonnet	Stem and tip/ball	
2	316 SST/316L SST	316 SST	316 SST	★

Process connection style

Code	Description	
A ⁽¹⁾	¼-18 NPT female	★
B ⁽²⁾	½-14 NPT female	★

(1) Only available with traditional manifold style codes T and M.

(2) Not available with traditional manifold style code M. Manifold style code T does not include mounting holes on process flange.

Packing material

Code	Description	
1 ⁽¹⁾	PTFE	★

(1) Includes PTFE tape on drain/vent valves and plugs.

Valve seat

Code	Description	
1	Integral	★

Additional options**Mounting brackets**

Code	Description	
B1	Bracket for 2-in. (50.8 mm) pipe mounting, CS bolts	★
B3 ⁽¹⁾	Flat bracket for 2-in. (50.8 mm) pipe mounting, CS bolts	★
B4	SST mounting bracket for 2-in. (50.8 mm) pipe mounting, 300 SST bolts	★

Code	Description	
B7	B1 bracket with 316 SST bolts	★
BA	316 SST B1 bracket with 316 SST bolts	★

(1) *Not compatible with the Rosemount 3095 Transmitter.*

Bolt materials

Code	Description	
L4 ⁽¹⁾	Austenitic 316 SST bolts	★

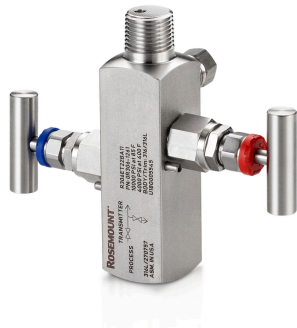
(1) *Not available with ASME B31.1 manifold type codes 7, 8, and 9.*

Adapters

This is only allowed with traditional manifold style codes T and M. Not allowed with graphite-based packing code 2.

Code	Description	
DF	½–14 NPT female flange adapter	★

Rosemount 306 In-line Manifolds



Rosemount In-Line Manifolds provide a leak checked and pressure tested single point solution when assembled to Rosemount Pressure Transmitters. The in-line, compact design is available with a lightweight block and bleed or two-valve configurations.

Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 8](#).

Figure 8: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
0306	In-line manifold	

Manufacturer

Code	Description	
R	Rosemount	★

Manifold style

Code	Description	
T	Threaded	★

Manifold type

Code	Description	
2	Two-valve	★

Manifold type

Code	Description	
2	Two-valve	★
3 ⁽¹⁾	Two-valve (per ASME B31.1/B31.3 power piping code)	

(1) Only available with 316 SST materials of construction and graphite-based packing.

Material of construction

Refer to Materials of construction for additional detail on process wetted materials of construction.

Code	Body	Bonnet	Stem and tip/ball	
2	316/316L SST	316 SST	316 SST	★
3 ⁽¹⁾⁽²⁾	Alloy C-276	Alloy C-276	Alloy C-276	

(1) Not available with block-and-bleed manifold type.

(2) Materials of Construction comply with recommendations per NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103/ISO 17495 for sour refining environments.

Process connection

Code	Description	
AA	½–14 male NPT process connection for in-line transmitter	★
BA	½–14 female NPT process connection for in-line transmitter	★

Packing material

Code	Description	
1 ⁽¹⁾	PTFE	★

(1) Includes PTFE tape on drain/vent valves and plugs.

Valve seat

Code	Description	
1	Integral	★

Temperature

Rosemount 3144P Temperature Transmitter

- Industry-leading temperature transmitter delivers unmatched field reliability and innovative process measurement solutions
- IEC 61508 safety certification
- Dual compartment housing, large display and selectable HART® revisions (5 and 7)



Rosemount 3144P Dual Compartment Temperature Transmitter

Rosemount 644 Temperature Transmitter

- Versatile temperature transmitter delivers field reliability and advanced accuracy to meet demanding process needs
- Single sensor capability with universal sensor inputs (RTD)
- DIN Head mount and Rail mount form factors



Rosemount 644 Head Mount Temperature Transmitter



Rosemount 644 Rail Mount Temperature Transmitter

Rosemount 248 Temperature Transmitter

- Standard temperature transmitter offers a reliable solution for temperature monitoring points
- DIN B form factor
- DIN Head mount and Rail mount form factors



Rosemount 248 Head Mount Temperature Transmitter



Rosemount 248 Rail Mount Temperature Transmitter

Ordering information

Rosemount 3144P Temperature Transmitter



The industry-leading Rosemount 3144P Single Point Temperature Transmitter delivers unmatched field reliability and innovative process measurement solutions and diagnostics

Transmitter features include:

- Temperature measurement assembly with Rosemount X-well Technology (option code PT)
- Dual and single sensor input capabilities
- Integral transient protector (option code T1)
- IEC 61508 Safety Certificate of Compliance (option code QT)
- Advanced sensor and process diagnostics (option codes D01 and DA1)
- Large, easy to read LCD display (option code M5)

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 9](#).

Figure 9: Model Code Example

3144P D1 A 1 NA	M5 DA1 Q4
1	2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
3144P	Temperature transmitter	★

Housing style

Code	Description	Material	Conduit entry size	
D1	Field mount housing, dual-compartment housing	Aluminum	½–14-in. NPT	★
D2	Field mount housing, dual-compartment housing	Aluminum	M20 x 1.5 (CM20)	★
D5	Field mount housing, dual-compartment housing	Stainless steel	½–14-in. NPT	★
D6	Field mount housing, dual-compartment housing	Stainless steel	M20 x 1.5 (CM20)	★

Transmitter output

Code	Description	
A	4–20 mA with digital signal based on HART® Protocol	★

Measurement configuration

Code	Description	
1	Single-sensor input	★
2	Dual-sensor input	★

Product certification

Code	Description	
NA	No approval	★
E7	IECEX Flameproof, Dust	★
N7	IECEX Type n Certification	
I7 ⁽¹⁾⁽²⁾	IECEX Intrinsic Safety	★
K7 ⁽¹⁾⁽²⁾	IECEX Flameproof, Dust, Intrinsic Safety, Type n	★

(1) When IS approval is ordered on a FOUNDATION™ Fieldbus, both standard IS and FISCO IS approvals apply. The device label is marked appropriately.

(2) Consult factory for availability when ordering with HART® or FOUNDATION Fieldbus models.

Additional options

Mounting bracket

Code	Description	
B4	“U” mounting bracket for 2-in. pipe mounting - All SST	★
B5	“L” mounting bracket for 2-in. pipe or panel mounting - All SST	★

Display

Code	Description	
M5	LCD display	★

External ground

Code	Description	
G1	External ground lug assembly	★

Transient protector

Code	Description	
T1	Integral transient protector	★

Software configuration

Code	Description	
C1	Custom configuration of date, descriptor, and message (requires Configuration Data Sheet with order)	★

Line filter

Code	Description	
F5	50 Hz line voltage filter	★

5-point calibration

Code	Description	
C4	5-point calibration (requires the Q4 option code to generate a calibration certificate)	★

Calibration certification

Code	Description	
Q4	Calibration certificate (3-point calibration)	★

Quality certificaion for safety

Code	Description	
QS	Prior-use certificate of FMEDA data (HART® only)	CF
QT	Safety-certified to IEC 61508 with certificate of FMEDA data (HART only)	CF

HART revision configuration

Code	Description	
HR7	Configured for HART Revision 7	★

Rosemount 644 Temperature Transmitter



The Rosemount 644 is a versatile temperature transmitter that delivers field reliability and advanced accuracy and stability to meet demanding process needs.

Transmitter features include:

- HART®/4–20 mA with Selectable Revision 5 and 7 (option code A).
- DIN A head mount, field mount, or rail mount transmitter styles
- Safety Certified to IEC 61508 with Certificate of FMEDA Data (option code QT)
- LCD display (option code M5)
- Advanced diagnostics (option codes DC and DA1)
- Enhanced transmitter accuracy and stability (option code P8)

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Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 10](#).

Figure 10: Model Code Example

3144P D1 A 1 NA
M5 DA1 Q4

1
2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
644	Temperature transmitter	★

Transmitter type

Code	Description	
H	DIN A head mount - single sensor input	★
R	Rail mount - single sensor input	★

Output

Code	Description	Head	Rail	
A	4–20 mA with digital signal based on HART® Protocol	•	•	★

Product certification

Hazardous locations certificates (consult factory for availability)

Note

See Rosemount 644 [Product Data Sheet](#) Enclosure options valid with individuals approval codes table for the validity of enclosures with individual approval options.

Code	Description	Head	Rail	
		A	A	
NA	No approval	•	•	★
NK	IECEX Dust	•	-	
E7	IECEX Flameproof	•	-	★
K7	IECEX Flameproof and Dust	•	-	★
I7	IECEX Intrinsic Safety	•	•	★
N7	IECEX Type n	•	-	

Additional options**Enclosure**

Code	Housing style	Material	Entry size	Diameter	Head			Rail	
					A	F	W	A	
J5	Universal junction box, 2 entries	Aluminum	M20 × 1.5	3-in. (76 mm)	•	•	•	-	★
J6	Universal junction box, 2 entries	Aluminum	½–14 NPT	3-in. (76 mm)	•	•	•	-	★
R1	Rosemount connection head, 2 entries	Aluminum	M20 × 1.5	3-in. (76 mm)	•	•	•	-	★
J7	Universal junction box, 2 entries	Cast SST	M20 × 1.5	3-in. (76 mm)	•	•	•	-	
R3	Rosemount connection head, 2 entries	Cast SST	M20 × 1.5	3-in. (76 mm)	•	•	•	-	

Display

Code	Description	Head	Rail	
M5	LCD display meter	•	-	★

Software configuration

Code	Description	
C1	Custom configuration of date, descriptor and message (requires Configuration Data Sheet with order)	CF

Line filter

Code	Description	
F5	50 Hz Line voltage filter	★
F6	60 Hz Line voltage filter	★

5-point calibration option

Code	Description	Head	Rail	
C4	5-Point Calibration (requires the Q4 option code to generate a calibration certificate) RTD and Ohms only	•	•	★

Calibration certificate

Code	Description	Head	Rail	
Q4	Calibration certificate (3-point calibration with certificate) RTD and Ohms only	•	•	★

Quality certification for safety

Code	Description	Head	Rail	
QT	Safety Certified to IEC 61508 with certificate of FMEDA data (HART® only)	•	-	CF

External ground screw

Code	Description	Head	Rail	
G1	External ground assembly	•	-	★

Cover chain

Code	Description	Head	Rail	
G3	Cover chain	•	-	★

HART revision configuration

Code	Description	Head	Rail	
HR5	Configured for HART Revision 5	●	–	★
HR7 ⁽¹⁾	Configured for HART Revision 7	●	–	★

(1) Configures the HART output to HART Revision 7. The device can be field configured to HART Revision 5 if needed.

Rosemount 248 Head Mount Temperature Transmitter



The Rosemount 248 has a standard transmitter design that provides flexible and reliable performance in process environments.

Transmitter features include:

- HART®/4–20 mA communication protocol
- DIN B style head mount and rail mount transmitter types
- Variety of DIN B enclosure options
- 3-point calibration certificate (option code Q4)
- SIS SIL 2 Safety certification (option code QT)

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Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 11](#).

Figure 11: Model Code Example

3144P D1 A 1 NA M5 DA1 Q4
1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
248	Temperature transmitter	★

Transmitter type

Code	Description	
H	DIN B head mount	★

Transmitter output

Code	Description	
A	4–20 mA with digital signal based on HART® Protocol	★

Product certifications

Code	Description		
E7	IECEX Flameproof and Dust	A, G, H, J, K, U	★
I7	IECEX Intrinsic Safety	All options	★
N7	IECEX Zone 2	A, G, H, J, K, U	★
NG	IECEX Zone 2 without enclosure	N	★
NA	No approval	All options	★

Enclosure**Conduit entry size**

Code	Description	
2 ⁽¹⁾	½-in. NPT	

(1) Only available for code U Universal head (junction box).

Additional options**Assemble to options**

Code	Description	
NS	No sensor	

5-point calibration

Code	Description	
C4	5-point calibration (requires the Q4 option code to generate a calibration certificate)	★

Calibration certification

Code	Description	
Q4	Calibration certificate (3-point calibration)	★

Line filter

Code	Description	
F6	60 Hz line voltage filter	★

External ground

Code	Description	
G1	External ground lug assembly	★

Cover chain

Code	Description	
G3	Cover chain	★

Software configuration

Code	Description	
C1	Custom configuration of date, descriptor, and message (requires Configuration Data Sheet with order)	★

Rosemount 248R Rail Mount Transmitter



The Rosemount 248 has a standard transmitter design that provides flexible and reliable performance in process environments.

Transmitter features include:

- HART®/4–20 mA communication protocol
- Rail mount transmitter type
- 3-point calibration certificate (option code Q4)
- Custom configuration of software parameters (option code C1)

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Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 12](#).

Figure 12: Model Code Example

3144P D1 A 1 NA
M5 DA1 Q4

1
2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
248R	Rail mount temperature transmitter	★

Output

Code	Description	
A	4–20 mA with digital signal based on HART® Protocol	★

Product certification

Code	Description	
I7 ⁽¹⁾	IECEX Intrinsic Safety	★
NA	No approval	★

(1) Consult Factory for availability.

Additional options**Software configuration**

Code	Description	
C1	Custom configuration of date, descriptor, and message (requires Configuration Data Sheet with order)	★

5-point calibration

Code	Description	
C4	5-point calibration (requires the Q4 option code to generate a calibration certificate)	★

Calibration certification

Code	Description	
Q4	Calibration certificate (3-point calibration)	★

Line filter

Code	Description	
F6	60 Hz line voltage filter	★

DP level

Rosemount DP Level Transmitters

- Proven, reliable, and innovative DP Level solutions
- Combine world class Rosemount pressure instrumentation with direct mount seals all in a single integrated model number
- Connect to virtually any process with a comprehensive offering of process connections, fill fluids, direct mount or capillary connections, and materials



Rosemount 1199 Seal Systems

- Robust seal design and reliable system construction through advanced welded design and manufacturing techniques
- Flanged, threaded and hygienic process connections
- Variety of fill fluids and capillary diameters for optimization of accuracy and time response
- Complete application flexibility through Direct mount Remote Mount, Tuned and Balanced seal system solutions



Rosemount 1199 Direct Mount Seal Systems

- Direct Mount gauge system can be used for open or vented atmosphere tank applications
- Tuned-System Assemblies can be used for DP measurements in closed or pressurized tank applications
- Variety of process connections available



Rosemount 1199 Remote Mount Seal Systems

- Remote seals can be used for high temperature applications
- Remote mount seals can be used on the low pressure side of Tuned-System assemblies or on both sides of Balanced-System assemblies for application flexibility
- Variety of process connections available



Ordering information

Rosemount 3051S Scalable™ Level Transmitter

Rosemount 3051S Scalable Level Transmitters combine the features and benefits of a high-performance Rosemount 3051S with the durability and reliability of diaphragm seals all in a single model number.



Rosemount 3051SAL In-line with “FF” Flanged Seal

Rosemount 3051SAL Coplanar with “SS” Hygienic Tank Spud Seal

Rosemount 3051SAL Tuned-System™ Assembly with Thermal Range Expander

Rosemount 3051SAL Balanced System

Product features and capabilities include:

- Variety of process connections including flanged, threaded, and hygienic seals
- Quantified performance for the entire transmitter/seal assembly (QZ option)
- HART®, FOUNDATION™ Fieldbus, and wireless protocols

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Rosemount 3051SAL Scalable Level Transmitter

Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

A Rosemount 3051SAL Scalable ERS Level Transmitter consists of three parts. First, specify the transmitter model codes found below. Then, specify a direct mount seal found here: [Diaphragm seals for Rosemount 3051SAL](#). Finish the model number by specifying all desired options from the Additional Options section.

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 13](#).

Figure 13: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Transmitter type	
3051SAL	Scalable level transmitter	★

Performance class

For detailed specifications see Specifications on Rosemount 3051S [Product Data Sheet](#).

Code	Description	
1	Ultra: 0.055% span accuracy, 150:1 rangedown, 15-year limited warranty	★
2	Classic: 0.065% span accuracy, 150:1 rangedown	★

Configuration type

Code	Description	
C	Liquid level transmitter	★

Pressure module type

Code	Module type	Sensor type	
D	Coplanar	Differential	★
G	Coplanar	Gauge	★
T	In-line	Gauge	CF

Pressure range

Code	Coplanar DP	Coplanar Gauge	In-line Gauge	
1A	N/A	N/A	-14.7 to 30 psig (-1.01 to 2.06 bar)	★
2A	-250 to 250 inH ₂ O (-621.60 to 621.60 mbar)	-250 to 250 inH ₂ O (-621.60 to 621.60 mbar)	-14.7 to 150 psig (-1.01 to 10.34 bar)	★
3A	-1000 to 1000 inH ₂ O (-2.48 to 2.48 bar)	-393 to 1000 inH ₂ O (-0.97 to 2.48 bar)	-14.7 to 800 psig (-1.01 to 55.15 bar)	★
4A	-300 to 300 psi (-20.68 to 20.68 bar)	-14.2 to 300 psig (-0.97 to 20.68 bar)	-14.7 to 4000 psig (-1.01 to 275.79 bar)	★
5A	-2000 to 2000 psi (-137.89 to 137.89 bar)	-14.2 to 2000 psig (-0.97 to 137.89 bar)	-14.7 to 10000 psig (-1.01 to 689.47 bar)	★

Transmitter output

Code	Description	
A	4–20 mA with digital signal based on HART® protocol	★
F ⁽¹⁾	FOUNDATION™ Fieldbus protocol	★

(1) Requires Plantweb™ housing.

Housing style

Code	Description	Material	Conduit entry size	
1B	Plantweb housing	Aluminum	M20 x 1.5 (CM 20)	★
1K	Plantweb housing	SST	M20 x 1.5 (CM 20)	★
2B	Junction box	Aluminum	M20 x 1.5 (CM 20)	★

Seal system type

Code	Description	
1	Direct-mount diaphragm seal system	★

Direct-mount extension (between transmitter flange and seal)

Code	Description	
0	No extension	★
2	2-in. (50 mm) extension	★

Transmitter reference pressure connection

Code	Description	
00	None (in-line style sensor)	
10	Tuned-system, one capillary connection remote diaphragm seal (requires 1199 model number)	
20	316 L SST isolator with SST transmitter flange	★
30	Alloy C-276 isolator/SST transmitter flange (inline range 1A only)	




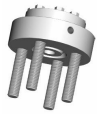


Seal fill fluid

Code	Description	Specific gravity at 77 °F (25 °C)	Temperature limits ⁽¹⁾⁽²⁾			
			No extension	2-in. (50 mm) extension	4-in. (100 mm) extension	
D	Silicone 200	0.934	–49 to 401 °F (–45 to 205 °C)			★
N ⁽³⁾	Neobee® M-20	0.94	5 to 401 °F (–15 to 205 °C)	5 to 437 °F (–15 to 225 °C)		★

(1) At ambient pressure of 14.7 psia (1 bar-a) and ambient temperature of 70 °F (21 °C). Temperature limits are reduced in vacuum service and may be limited by seal selection.

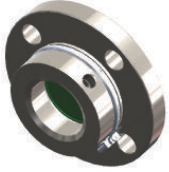
- (2) Due to heat transfer to the transmitter, the maximum process temperature of the transmitter will be de-rated if ambient or process temperatures exceed 185 °F (85 °C). Consult Instrument Toolkit™ to verify the application.
- (3) This is a food grade fill fluid.

Seal style

Seal type	Model	Process connection
	Flush Flanged (FF) Seal	2-in./DN 50/50A 3-in./DN 80/80A 4-in./ DN 100/100A
	Extended Flanged (EF) Seal	3-in./DN 80/80A 4-in./DN 100/100A
	Remote Flanged (RF) Seal	½-in. ¾-in. 1-in./DN 25/25A 1½-in./DN 40/40A
	RC Remote Flanged Seal - Ring Type Joint (RTJ) gasket surface	½-in. ¾-in. 1-in. 1½-in.
	SC Hygienic Tri Clamp Seal	1½-in. 2-in. 3-in.
	SS Hygienic Tan Spud Seal	4-in.

Diaphragm seals for Rosemount 3051SAL

Flush Flanged (FF) Seal



- Most common seal
- Good for use in general applications
- Easy installation on flanged connections ranging from 2-in. (DN 50) to 4-in. (DN 100)

Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

Required model components

Model

Code	Description
FF	Flush flanged seal

Process connection size

Code	ASME B16.5	EN 1092-1/GOST 33259-15	JIS B2238	
G	2-in.	DN 50	50 A	★
7	3-in.	N/A	80 A	★

Flange/pressure rating

Code	Description	
1	ASME B16.5 Class 150	★
2	ASME B16.5 Class 300	★
4	ASME B16.5 Class 600	

Materials of construction

Code	Isolating diaphragm	Upper housing	Flange	
CA	316L SST	316L SST	CS	★
DA	316L SST	316L SST	316 SST	★
CB ⁽¹⁾	Alloy C-276	316L SST	CS	
DB ⁽¹⁾	Alloy C-276, seam-welded	316L SST	316 SST	

(1) Not available with option code SC.

Flushing connection ring (lower housing)

Code	Description	
0	None	★
A ⁽¹⁾	316 SST	
B ⁽¹⁾	Alloy C-276	

(1) Supplied with Thermo-Tork TN-9000 gasket if no other flushing connection ring gasket option is selected.

Flushing connection quantity and size

Code	Description	
0	None	★
1	One ¼–18 NPT flushing connection	
3	Two ¼–18 NPT flushing connections	
7	One ½–14 NPT flushing connection	
9	Two ½–14 NPT flushing connections	

Additional options

Remote seal diaphragm thickness

This is not available with Tantalum diaphragms (Material of Construction codes CC and DC).

Code	Description	
SC	0.006-in. (150 µm) available with 316L SST	

Flushing connection ring plugs

Code	Description	
SG ⁽¹⁾	SST plug(s) for flushing connection(s)	
SH ⁽¹⁾	SST drain/vent(s) for flushing connection(s)	
SY	Gasket, Flat, C4401 Aramid Fiber (2.40-in OD x 2.060 ID, 0.031-in thick)	

(1) Only available for ¼-in flushing connection.

Lower housing alignment clamp

Code	Description	
SA	Lower housing alignment clamp	★

Intermediate gasket material

Code	Description	
SJ	PTFE gasket	★
SY	Thermo-Tork® TN-9000	★

Extended Flanged (EF) Seal



- Good for use in viscous applications with plugging issues
- Seal diaphragm installed flush with inner tank wall to prevent process plugging
- Easy installation on 3-in. (DN 80) and 4-in. (DN 100) flanged connections

Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

Required model components

Model

Code	Description	
EF	Extended flanged seal	★

Process connection size

Code	ASME B16.5	EN 1092-1/GOST 33259-15	JIS B2238	Extension diameters	
7	3-in. schedule 80	DN 80	80A	2.58-in. (66 mm)	★

Materials of construction

Code	Isolating diaphragm	Extension/gasket surface	Mounting flange	
CA	316L SST	316L SST	CS	★
DA	316L SST	316L SST	316 SST	★
CB	Alloy C-276	Alloy C-276	CS	
DB	Alloy C-276	Alloy C-276	316 SST	

Seal extension length

Code	Description	
20	2-in. (50 mm)	★
40	4-in. (100 mm)	★
60 ⁽¹⁾	6-in. (150 mm)	

(1) Only available with SST (model code CA & DA).

Remote Flanged (RF) Seal



- Designed to improve performance on smaller process connections
- Easy installation on flanged connections ranging from ½- to 1½-in. (DN 25– DN 40)
- Lower housing/flushing ring required

Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

Required model components

Model

Code	Description	
RF	Remote flanged seal	★

Process connection size

Code	ASME B16.5	EN 1092-1/GOST 33259-15	JIS B2238	
2	1-in.	N/A	25A	★
4	1½-in.	N/A	40A	★

Flange/pressure rating

Code	Description	
1 ⁽¹⁾	ASME B16.5 Class 150	
2	ASME B16.5 Class 300	
4 ⁽²⁾	ASME B16.5 Class 600	

(1) Not available 1½ (code 4)/SST (DA & DB).

(2) Only available 1½ (code 4) and CS (CA and CB).

Materials of construction

Code	Isolating diaphragm	Upper housing	Flange	
CA	316L SST	316L SST	CS	★
DA	316L SST	316L SST	316 SST	★
CB	Alloy C-276	316L SST	CS	
DB	Alloy C-276	316L SST	316 SST	

Flushing connection ring material (lower housing)

Supplied with C-4401 aramid fiber gasket if no other remote seal gasket material is selected.

Code	Description	
A	316L SST	★

Code	Description	
B	Alloy C-276	★

Flushing connection quantity and size

Code	Description	
5	None	★
1	One ¼–18 NPT flushing connection	★
3	Two ¼–18 NPT flushing connections	★
7	One ½–14 NPT flushing connection	
9	Two ½–14 NPT flushing connections	

Additional options

Flushing connection ring plugs

Code	Description	
SG ⁽¹⁾	SST plug(s) for flushing connection(s)	
SH ⁽¹⁾	SST drain/vent(s) for flushing connection(s)	
SY	Gasket, Flat, C4401 Aramid Fiber (2.40-in OD x 2.060 ID, 0.031-in thick)	

⁽¹⁾ Only available for ¼-in flushing connection.

Flushing ring connection gaskets

Code	Description	
SJ	PTFE gasket	★

Remote Threaded (RT) Seal



- For use with threaded process connections (1/4-18 to 1-11.5 NPT)
- Rated for use in high-pressure applications (up to 2500 PSI)
- Optional flushing connections available

Required model components

Model

Code	Description	
RT	Remote threaded seal	★

Process connection size

Code	Description	
3	1/2-14 NPT	★
4	3/4-14 NPT	★

Pressure rating

Code	Description	
0	2500 psi	★

Isolating diaphragm material

Code	Description	Upper housing material	Flange	
CA	316L SST	316L SST	CS	★
DA	316L SST	316L SST	316 SST	★
CB	Alloy C-276	316L SST	CS	
DB	Alloy C-276	316L SST	316 SST	

Flushing connection ring material (lower housing)

Supplied with C4401 aramid fiber gasket if no other remote seal gasket material is selected. Flushing connection ring/lower housing assembly bolts provided as standard are carbon steel.

Code	Description	
A	316L SST	★

Flushing ring connection quantity and size

Code	Description
1	One ¼-in. flushing connection
3	Two ¼-in. flushing connections
5	None
7	One ½-14 NPT flushing connection
9	Two ½-14 NPT flushing connection

Additional options

Remote seal flushing plug, drain/vent

Code	Description
SG ⁽¹⁾	316 SST plug(s) for flushing connection(s)
SH ⁽¹⁾	316 SST drain/vent(s) for flushing connection(s)

(1) Only available for ¼-in. flushing connection .

SC Hygienic Tri-Clamp® Seal



- Good for use in hygienic applications
- Easy installation on Tri-Clover style Tri-Clamp connections (1.5-in. to 3-in.)
- Conforms to 3-A® standard 74-06

Required model components

Model

Code	Description	
SC ⁽¹⁾⁽²⁾	Tri-Clover style Tri Clamp® seal	★

(1) Clamp and gasket furnished by user. The maximum working pressure is dependent upon the clamp pressure rating.

(2) All process wetted parts have surface finish of $Ra < 32 \mu\text{in}$ ($0.81 \mu\text{m}$) standard unless otherwise specified.

Process connection size

Code	Description	
5 ⁽¹⁾	2-in.	★
7	3-in.	★

(1) Min span is 150 inH₂O or 373 mbar for 2-in. Tri-Clamp seal.

Materials of construction

Code	Isolating diaphragm material	Upper housing material	
LA00	316L SST	316L SST	★
LB00	Alloy C-276	316L SST	★

Clamp and gasket material

Code	Description	
2	High pressure ladish clamp and Buna-N gasket	★
3	Buna-N gasket	★

SS Hygienic Tank Spud Seal



- Commonly used in hygienic level applications
- Seal diaphragm installed flush with inner tank wall
- Conforms to 3-A standard 74-06

Required model components

Model

Code	Description	
SS ⁽¹⁾⁽²⁾	Hygienic Tank Spud Seal	★

(1) Clamp and ethylene propylene O-ring (conforms to 3-A standard 74 and USP Class VI) supplied.

(2) All process wetted parts have surface finish of $Ra < 32 \mu\text{in}$ ($0.81 \mu\text{m}$) standard unless otherwise specified.

Process connection size

Code	Description	
A	4-in. Sch. 5 Tri-Clamp	★

Maximum working pressure (clamp rating)

Code	Description	
0	150 psi (10.3 bar)	★

Upper housing

Code	Description	
A	316L SST	★

Materials of construction

Code	Diaphragm and wetted	Extension	
AL ⁽¹⁾	316L SST	316L SST	★

(1) Diaphragm brazed and TIG-welded to extension.

Extension length

Code	Description	
2	2-in. (50 mm) extension	★

Additional options

Tank spud included with shipment

Code	Description	
S1	SST Tank spud included with shipment	★

Rosemount 3051L Level Transmitter ordering information



The Rosemount 3051L Level Transmitter combines the performance and capabilities of Rosemount 3051 Transmitters with the reliability and quality of a direct mount seal in one model number. Rosemount 3051L Level Transmitters offer a variety of process connections, configurations, and fill fluid types to meet a breadth of level applications. Capabilities of a Rosemount 3051L Level Transmitter include:

- Quantify and optimize total system performance (option code QZ).
- Tuned-System assembly (option code S1).
- The Loop Integrity Diagnostic continuously monitors the electrical loop to detect changes that compromise the integrity of the transmitted 4-20 mA output signal (Option Code DA0).
- LOI with straightforward menus and built-in configuration buttons (option code M4).

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 14](#).

Figure 14: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
3051L	Level transmitter	★

Pressure range

Code	Description	
2	-250 to 250 inH ₂ O (-621.60 to 621.60 mbar)	★
3	-1000 to 1000 inH ₂ O (-2.48 to 2.48 bar)	★
4	-300 to 300 psi (-20.68 to 20.68 bar)	★

Transmitter output

Code	Description	
A ⁽¹⁾	4-20 mA with digital signal based on HART® Protocol	★
F	FOUNDATION™ Fieldbus Protocol	★

(1) HART Revision 5 is the default HART output.

Process connection size, material, extension length (high side)

Materials of Construction comply with metallurgical requirements highlighted within NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.

Code	Process connection size	Material	Extension length	
G0	2-in./DN 50/A	316L SST	Flush mount only	★
H0	2-in./DN 50	Alloy C-276	Flush mount only	★
A0	3-in./DN 80	316L SST	Flush mount	★
A2	3-in./DN 80	316L SST	2-in./50 mm	★
A4	3-in./DN 80	316L SST	4-in./100 mm	★
A6	3-in./DN 80	316L SST	6-in./150 mm	★
C0	3-in./DN 80	Alloy C-276	Flush mount	★
C2	3-in./DN 80	Alloy C-276	2-in./50 mm	★
C4	3-in./DN 80	Alloy C-276	4-in./100 mm	★

Mounting flange size, rating, material (high side)

Code	Size	Rating	Material	
A	3-in.	ASME B16.5 Class 150	CS	★
N	2-in.	ASME B16.5 Class 300	CS	★
C	3-in.		CS	★
P	2-in.	ASME B16.5 Class 600	CS	★
X ⁽¹⁾	2-in.	ASME B16.5 Class 150	316 SST	★
F ⁽¹⁾	3-in.		316 SST	★
Y ⁽¹⁾	2-in.	ASME B16.5 Class 300	316 SST	★
H ⁽¹⁾	3-in.		316 SST	★
Z ⁽¹⁾	2-in.	ASME B16.5 Class 600	316 SST	★

Code	Size	Rating	Material	
L ⁽¹⁾	3-in.		316 SST	★

(1) Materials of Construction comply with metallurgical requirements highlighted within NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.

Seal fill fluid (high side)

Code	Seal fill fluid (high side)	Specific gravity at 77 °F (25 °C)	Temperature limits (ambient temperature of 70 °F [21 °C])	
D	Silicone 200	0.93	-49 to 401 °F (-45 to 205 °C)	★
N	Neobee [®] M-20	0.92	5 to 401 °F (-15 to 205 °C)	★

Low pressure side

Code	Configuration	Flange adapter	Diaphragm material	Sensor fluid	
11 ⁽¹⁾	Gage	SST	316L SST	Silicone	★
21	Differential	SST	316 SST	Silicone	★
31 ⁽¹⁾	Tuned-system assembly with remote seal	None	316 SST	Silicone (requires option code S1)	★

(1) Materials of Construction comply with metallurgical requirements highlighted within NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.

O-ring

Code	Description	
A	Glass-filled PTFE	★

Housing material

Code	Description	Conduit entry size	
B	Aluminum	M20 x 1.5	★
K	SST	M20 x 1.5	★

Additional options

Include with selected model number.

Seal assemblies

“Assemble-to” items are specified separately and require a completed model number.

Code	Description	
S1	Assembled to one Rosemount 1199 Seal	★

Product certification

Code	Description	
E7	IECEX Flameproof, Dust Ignition-proof	★
I7	IECEX Intrinsic Safety	★
IG	IECEX FISCO Intrinsically Safe	
N7	IECEX Type n Certification	
K7	IECEX Flameproof, Dust Ignition-proof, Intrinsic Safety, Type n Certification (combination of I7,N7, and E7)	★

Bolting material

Code	Description	
L4	Austenitic 316 SST bolts	★

Display and interface options

Code	Description	
M4 ⁽¹⁾	LCD display with LOI	★
M5	LCD display	★
M6	LCD display for SST housing (housing code K)	★

(1) Only available with 4-20 mA HART[®] output (code A) and PROFIBUS[®]-PA (code W).

Calibration certification

Code	Description	
Q4	Calibration certificate	★

Material traceability certification

Code	Description	
Q8	Material traceability certification per EN 10204 3.1	★

Quality certification for safety

The quality certification for safety is only available with HART[®] 4–20 mA output (code A).

Code	Description	
QT	Safety certified to IEC 61508 with certificate of FMEDA	★

Transient protection

The transient protection option is not available with wireless output (code X). The T1 option is not needed with FISCO Product Certifications; transient protection is included in the FISCO product certification codes IA, IB, and IE.

Code	Description	
T1	Transient protection terminal block	★

Software configuration

The software configuration option is only available with HART® 4–20 mA output (output code A) and wireless output (output code X).

Code	Description	
C1	Custom software configuration (For wired, see the Rosemount 3051 Configuration Data Sheet . For wireless, see the Rosemount 3051 Wireless Configuration Data Sheet .)	★

Conduit plug

The conduit plug option is not available with wireless output (code X).

Code	Description	
DO	316 SST conduit plug	★

Ground screw

The ground screw option is not available with wireless output (code X). The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.

Code	Description	
V5	External ground screw assembly	★

Flange adapters

Code	Description	
DF ⁽¹⁾	¼-14 NPT flange adapter(s)	★

(1) Not valid with alternate process connection options S3, S4, S5 and S6.

Lower housing flushing connection

Code	Ring material	Number	Size (NPT)	
F1	316 SST	1	¼-18 NPT	★
F2	316 SST	2	¼-18 NPT	★
F3 ⁽¹⁾	Alloy C-276	1	¼-18 NPT	
F4 ⁽¹⁾	Alloy C-276	2	¼-18 NPT	
F7	316 SST	1	½-14 NPT	★
F8	316 SST	2	½-14 NPT	★
F9	Alloy C-276	1	½-14 NPT	
F10	Alloy C-276	2	½-14 NPT	

(1) Not available with option codes A0, B0, and G0.

Specials

Code	Description	
A0102	0.006-in. diaphragm styles G0 and A0 only	★

Rosemount 2051L Liquid Level Transmitter



- Designed with a variety of process connections, materials and output protocols to meet diverse application requirements
- Tuned-System Level assembly and direct mounting produce optimal performance for level applications
- SIL 2/3 certified to IEC 61508 (via 3rd party) and prior-use certificate of FMEDA data for safety installations
- Local Operator Interface (LOI) for simple, local commissioning on-site without the use of extra tools or training
- Optimized seal system construction ensures a quality measurement in harsh process conditions

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 15](#).

Figure 15: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)
2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
2051L	Liquid level transmitter	★

Pressure range

Code	Description	
2	-250 to 250 inH ₂ O (-623 to 623 mbar)	★

3	-1000 to 1000 inH ₂ O (-2.5 to 2.5 bar)	★
4	-300 to 300 psi (-20.7 to 20.7 bar)	★

Transmitter output

Code	Description	
A ⁽¹⁾	4–20 mA with digital signal based on HART® Protocol	★
F	FOUNDATION™ Fieldbus Protocol	

(1) HART Revision 5 is the default HART output. The Rosemount 2051 with Selectable HART can be factory or field configured to HART Revision 7. To order HART Revision 7 factory configured, add option code HR7.

Process connection size

Materials of construction comply with metallurgical requirements highlighted within NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE® MR0103 for sour refining environments. Order with Q15 or Q25 to receive a NACE certificate.

Code	Description	Diaphragm	
G	2-in./DN 50	316L SST	★
H	2-in./DN 50	Alloy C-276	★
A	3-in./DN 80	316L SST	★
C	3-in./DN 80	Alloy C-276	★

Extension length

Code	Description	
0	None, flush mount	★
2	2-in./50 mm	★
4 ⁽¹⁾	4-in./100 mm	
6 ⁽¹⁾	6-in./150 mm	

(1) Only available for 3in. Diaphragm SST

Mounting flange size rating, material (high size)

Code	Description	Rating	Material	
A	3-in.	ASME B16.5 Class 150	CS	★
N	2-in.	ASME B16.5 Class 300	CS	★
C	3-in.		CS	★
X ⁽¹⁾	2-in.	ASME B16.5 Class 150	SST	★
F ⁽¹⁾	3-in.	ASME B16.5 Class 150	SST	★
P	2 in.	Class 600, ANSI	CS	★
Y ⁽¹⁾	Displayed	ASME B16.5 Class 300	SST	★
H ⁽¹⁾	3-in.		SST	★
Z	2-in.	Class 600, ANSI	SST	★

Code	Description	Rating	Material	
L	3-in.	Class 600, ANSI	SST	★

(1) Materials of construction comply with metallurgical requirements highlighted within NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE[®]MR0103 for sour refining environments. Order with Q15 or Q25 to receive a NACE certificate.

Seal fill fluid (high side)

Code	Seal fill fluid (high side)	Specific gravity at 77 °F (25 °C)	Temperature limits (ambient temperature of 70 °F [21 °C])	
D	Silicone 200	0.93	-49 to 401 °F (-45 to 205 °C)	★
N	Neobee [®] M-20	0.92	5 to 401 °F (-15 to 205 °C)	★

Sensor module configuration, flange adapter (low side)

Code	Configuration	Flange adapter	
1	Gage	SST	★
2	Differential	SST	★
3 ⁽¹⁾	Tuned-System™ with remote seal	None	★

(1) Requires option code S1.

Sensor module diaphragm, sensor fill fluid (low side)

Code	Diaphragm material	Sensor fill fluid	
1 ⁽¹⁾	316L SST	Silicone	★

(1) Materials of construction comply with metallurgical requirements highlighted within NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments. Order with Q15 or Q25 to receive a NACE certificate.

O-ring

Code	Description	
A	Glass-filled PTFE	★

Housing material

Code	Description	Conduit entry size	
B	Aluminum	M20 x 1.5	★
K	SST	M20 x 1.5	★

Additional options

Seal assemblies

“Assemble-to” items are specified separately and require a completed model number.

Code	Description	
S1	Assemble to one Rosemount 1199 diaphragm seal	★

Product certification

Code	Description	
E7	IECEX Flameproof, Dust Ignition-proof	★
I7	IECEX Intrinsic Safety	★
IG	IECEX FISCO Intrinsically Safe	
N7	IECEX Type n Certification	
K7	IECEX Flameproof, Dust Ignition-proof, Intrinsic Safety, Type n Certification (combination of I7,N7, and E7)	★

Display and interface options

Code	Description	
M4 ⁽¹⁾	LCD display with LOI	★
M5	LCD display	★

(1) Not available with FOUNDATION™ Fieldbus (output code F) or wireless (output code X).

Flange adapters

This option is not valid with alternate process connection options S3, S4, S5, or S6.

Code	Description	
DF	½–14 NPT flange adapters	★

Conduit plug

Code	Description	
DO	316 SST conduit plug	★

Ground screw

The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.

Code	Description	
V5	External ground screw assembly	★

Calibration certification

Code	Description	
Q4	Calibration certificate	★

HART revision configuration (requires HART Protocol output code A)

HART® Revision 5 is the default HART output.

Code	Description	
HR5	Configured for HART Revision 5	★
HR7	Configured for HART Revision 7	★

Transient protection

Not available with output code X. Not valid with FOUNDATION™ Fieldbus output code F and wireless output code X. The T1 option is not needed with FISCO Product Certifications; transient protection is included in the FISCO product certification codes IA, E, IF, and IG.

Code	Description	
T1	Transient terminal block	★

Software configuration

Only available with 4–20 mA HART output (codes A) and wireless output (code X).

Code	Description	
C1	Custom software configuration (requires completed Configuration Data Sheet)	★

Material traceability certification

Code	Description	
Q8	Material traceability certification per EN 10204 3.1	★

Quality certification for safety

The option is only available with 4–20 mA HART® output (code A).

Code	Description	
QT	Safety certified to IEC 61508 with certificate of FMEDA	★

Lower housing flushing connection

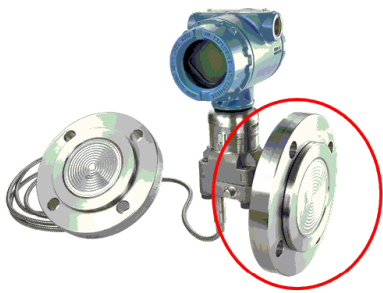
Code	Ring material	Number	Size (NPT)	
F1	316 SST	1	¼–18 NPT	★
F2	316 SST	2	¼–18 NPT	★
F3 ⁽¹⁾	Alloy C-276	1	¼–18 NPT	
F4 ⁽¹⁾	Alloy C-276	2	¼–18 NPT	
F7	316 SST	1	½–14 NPT	★
F8	316 SST	2	½–14 NPT	★
F9	Alloy C-276	1	½–14 NPT	
F10	Alloy C-276	2	½–14 NPT	

(1) Not available with option codes A0, B0, and G0.

Specials

Code	Description	
A0102	0.006-in. diaphragm styles G0 and A0 only	★

Direct mount seal system ordering information



Rosemount 1199 Direct Mount Seals reduce installation costs by eliminating mounting hardware. Their advanced design also minimizes oil volume improving performance.

Product features and capabilities include:

- Direct mount gage or absolute seal system can be used for open or vented to atmosphere tank applications
- Tuned-System™ Assembly order codes can be used to improve performance for DP measurements in closed or pressurized tank applications
- Variety of process connections
- Quantified performance for the entire transmitter/seal assembly (QZ option)

Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

Rosemount 1199 Direct Mount Seal

The Rosemount 1199 Direct Mount Seal also requires specification of a Rosemount pressure device. See the appropriate Product Data Sheet for the desired device and include the option indicated in the table below for the configuration desired.

When ordering direct and remote mount seals, add the correct seal system ordering code to the transmitter or gage model.

Table 1: Seal Attach To Code Per Transmitter or Gauge Model

Rosemount model	Two seals	One seal
3051S_C	B12	B11
3051C	S2	S1
2051C	S2	S1
3051S_T	N/A	B11
3051T, 2051T, 2088	N/A	S1

A Rosemount 1199 Direct Mount Seal consists of two parts. First, specify the direct mount connection model codes, then specify a remote seal. Model codes for both components are listed in the ordering table.

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Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 16](#).

Figure 16: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)

2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
1199	Seal systems	★

Connection type, seal type and location

Code	Connection type	Seal system	Seal location	
W	Welded-repairable	One or two seal system	High side of transmitter	★

Seal fill fluid

Code	Fill fluid	Specific gravity at 77 °F (25 °C)	Remote mount with capillary temperature limits ⁽¹⁾⁽²⁾	
D	Silicone 200	0.934	-49 to 401 °F (-45 to 205 °C)	★
N ⁽³⁾	Neobee® M-20	0.94	5 to 437 °F (-15 to 225 °C)	★

(1) At ambient pressure of 14.7 psia (1 bar-a) and ambient temperature of 70 °F (21 °C).

(2) Due to heat transfer to the transmitter, the maximum ambient temperature will be de-rated if the process temperature exceed 185 °F (85 °C). Consult Instrument Toolkit to verify the application.

(3) This is a food grade fill fluid.

Seal connection type

Code	Description	
A	Direct mount	★

Direct mount connection type




Code	Extension length	Connection type	Seal system	
All coplanar devices (Rosemount 3051S_C, 3051C and 2051C)				
93	Direct mount, no extension	Welded-repairable	Coplanar one-seal system	★
B3	Direct mount, 2-in. (50 mm) extension			★
94	Direct mount, no extension	Welded-repairable	Tuned-System assembly	★
B4	Direct mount, 2-in. (50 mm) extension			★

s

Seal assemblies

● = Transmitter available – = Unavailable

Table 2: Flanged Seal Assemblies

Reference information		In-line	Coplanar extensions			Process connections	
			0-in.	2-in.	4-in.		
	FFW Flush Flanged Seal ordering information	●	–	●	●	2-in./DN 50/50A 3-in./DN 80/80A 4-in./ DN 100/100A	★
	RFB Remote Flanged Seal ordering information	●	–	●	●	½-in./DN 15 ¾-in 1-in./DN 25/25A 1½-in./DN 40/40A	★
	EFW Extended Flanged Seal ordering information	●	(1)	●	●	1½-in./DN 40/40A 2-in./DN 50/50A 3-in./Headbox/DN 80/80A 4-in./Headbox/DN 100/100A	★

(1) Available with ANSI Class 300 or EN 1092-1 PN 40 or JIS B2238 20K or lower flange ratings.

Table 3: Threaded Seal Assemblies


Reference information		In-line	Coplanar extensions			Process connections	
			0-in.	2-in.	4-in.		
	RTW Remote Threaded Seal ordering information	●	–	●	●	¼ – 18 NPT ⅜ – 18 NPT ½ – 14 NPT ¾ – 14 NPT 1 – 11½ NPT 1¼ – 11½ NPT 1½ – 11½ NPT G½ A DIN 16288 R½ per ISO 7/1	★

Table 4: Hygienic Seal Assemblies



Reference information		In-line	Coplanar extensions			Process connections	
			0-in.	2-in.	4-in.		
	SCW Hygienic Tri-Clover Style Tri-Clamp ordering information	●	●	●	●	1½-in. 2-in. 2½-in. 3-in. 4-in.	

Table 4: Hygienic Seal Assemblies (continued)

Reference information		In-line	Coplanar extensions			Process connections	
			0-in.	2-in.	4-in.		
	SSW Hygienic Tank Spud Seal ordering information	•	•	•	•	2-in. extension 6-in. extension	

Remote mount seal system ordering information



Rosemount 1199 Remote Mount Seals are used commonly at the top of the vessel when a DP measurement is required. The capillary that is used is available in three different diameters to optimize time response and reduce temperature effects.

Product features and capabilities include:

- Remote Mount Seals can be used for high temperature applications.
- Remote Mount Seals are used on the low pressure side of the transmitter for Tuned-System Assemblies that can be used for DP measurements in closed or pressurized tank applications.
- Variety of process connections.
- Quantified performance for the entire transmitter/seal assembly (QZ option).

Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

Rosemount 1199 Remote Mount Seal

The Rosemount 1199 Remote Mount Seal also requires specification of a Rosemount pressure transmitter. See the appropriate product data sheet for the desired transmitter and include the option indicated in the table below for the configuration desired.

When ordering Rosemount 1199 Direct and Remote Mount Seals, make sure to add the correct seal system ordering code to the transmitter or gauge model.

Table 5: Seal Attach To Code Per Transmitter or Gauge Model

Rosemount model	Two seals	One seal
3051S_C	B12	B11
3051C	S2	S1
2051C	S2	S1
3051S_T	N/A	B11
3051T, 2051T, 2088	N/A	S1

A Rosemount 1199 Remote Mount Seal consists of two parts. First, specify the direct mount connection model codes, then specify a remote seal. Model codes for both components are listed in the ordering table.

Online product configurator

Many products are configurable online using our Product Configurator. Select the **Configure** button or visit our [website](#) to start. With this tool's built-in logic and continuous validation, you can configure your products more quickly and accurately.

Specifications and options

See the Specifications and options section for more details on each configuration. Specification and selection of product materials, options, or components must be made by the purchaser of the equipment. See the Material selection section for more information.

Model codes

Model codes contain the details related to each product. Exact model codes will vary; an example of a typical model code is shown in [Figure 17](#).

Figure 17: Model Code Example

3051C D 2 X 2 2 M5 B4

1 2

1. Required model components (choices available on most)

2. Additional options (variety of features and functions that may be added to products)

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
1199	Seal systems	★

Connection type, seal type and location

Code	Connection type	Seal system	Seal location	
All coplanar devices (Rosemount 3051S_C, 3051C, and 2051C)				
W	Welded-repairable	One or two seal system	High side of transmitter	★
M			Low side of transmitter	★
D		Two seal system	Balanced system - identical high and low sides	★

Seal fill fluid

Code	Fill fluid	Specific gravity at 77 °F (25 °C)	Remote mount with capillary temperature limits ⁽¹⁾⁽²⁾	
D	Silicone 200	0.934	-49 to 401 °F (-45 to 205 °C)	★
N ⁽³⁾	Neobee® M-20	0.94	5 to 437 °F (-15 to 225 °C)	★

(1) At ambient pressure of 14.7 psia (1 bar-a) and ambient temperature of 70 °F (21 °C).

(2) Due to heat transfer to the transmitter, the maximum ambient temperature will be de-rated if the process temperature exceed 185 °F (85 °C). Consult Instrument Toolkit to verify the application.

(3) This is a food grade fill fluid.

Seal connection type/capillary ID

Code	Description	
B	0.03-in. (0.711 mm) ID	★
C	0.04-in. (1.092 mm) ID	★
H	0.03-in. (0.711 mm) ID, 4-in. support tube	★
J	0.04-in. (1.092 mm) ID, 4-in. support tube	★

Capillary length

Code	Description	
54	6.6 ft. (2.0 m)	★
56	9.8 ft. (3.0 m)	★

Code	Description	
59	16.4 ft. (5.0 m)	★

Seal assemblies

Table 6: Flanged Seal Assemblies





Reference information		Process connections	
	FFW Flush Flanged Seal ordering information	2-in./DN 50/50A 3-in./DN 80/80A 4-in./DN 100/100A	★
	RFW Remote Flanged Seal ordering information	½-in./DN 15 ¾-in. 1-in./DN 25/25A 1½-in./DN 40/40A	★
	EFW Extended Flanged Seal ordering information	1½-in./DN 40/40A 2-in./DN 50/50A 3-in./Headbox/DN 80/80A 4-in./Headbox/DN 100/100A	★
	PFW Pancake Seal ordering information	2-in./DN 50 3-in./DN 80	★

Table 7: Threaded Seal Assemblies




Reference information		Process connections	
	RTW Remote Threaded Seal ordering information	¼–18 NPT ⅜–18 NPT ½–14 NPT ¾–14 NPT 1–11½ NPT 1¼–11½ NPT 1½–11½ NPT G½ A DIN 16288 R½ per ISO 7/1	★

Table 8: Hygienic Seal Assemblies

Reference information		Process connections	
	SCW Hygienic Tri-Clover Style Tri-Clamp ordering information	1½-in. 2-in. 2½-in. 3-in. 4-in.	
	SSW Hygienic Tank Spud Seal ordering information	2-in. extension 6-in. extension	

Flanged seals

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

FFW Flush Flanged Seal ordering information



Required model components

Industry standards

Code	Description	
A	ASME B16.5 (American Society of Mechanical Engineers)	★

Process connection style

Code	Description	
FFW	Flush flanged seal	★

Process connection size

Code	ASME B16.5	EN 1092-1/GOST 33259-15	JIS B2238	
G	2-in.	DN 50	50 A	★
7	3-in.	N/A	80 A	★

Flange/pressure rating

Code	ASME B16.5	EN 1092-1/GOST 33259-15	JIS B2238	
1	Class 150	N/A	10K	★
2	Class 300	N/A	20K	★
4	Class 600	N/A	40K	★

Diaphragm and wetted, upper housing, flange material

Code	Diaphragm and wetted	Upper housing	Flange	
CA ⁽¹⁾⁽²⁾	316L SST	316 SST	CS	★
DA ⁽²⁾	316L SST	316 SST	316 SST	★
CB ⁽²⁾	Alloy C-276, seam welded	316 SST	CS	
DB	Alloy C-276, seam welded	316 SST	316 SST	

(1) Only available with two-piece design.

(2) For use with spiral wound metallic gaskets.

Flushing connection ring material (lower housing)

A Thermo-tork TN 9000 intermediate gasket supplied if no other intermediate gasket option is selected.

Code	Description	
0	None	
A	316L SST	
B	Alloy C-276	

Flushing connections (connection size)

Code	Description	
0	None	
1	One connection (¼–18 NPT)	
3	Two connections (¼–18 NPT)	
7	One connection (½–14 NPT)	
9	Two connections (½–14 NPT)	

Additional options

Intermediate gasket material

Code	Description	
0	No gasket for flushing connection ring (lower housing)	★
Y	Thermo-tork® TN-9000 (for use with flushing connection ring)	★
J	PTFE gasket (for use with flushing connection ring)	★

Lower housing alignment clamp

Code	Description	
SA	Lower housing alignment clamp	

Flushing plug, vent/drain valve

Code	Description	
G	316 SST plug(s) for flushing connection(s)	
H	316 SST vent/drain for flushing connection(s)	

Diaphragm thickness

Code	Description	
C ⁽¹⁾	0.006-in. (150 µm) available with 316L SST, Alloy C-276, and Duplex 2205 SST for abrasive applications	

(1) Only available for SST (Model code CA and DA).

RFW Remote Flanged Seal ordering information



Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

Required model components

Industry standards

Code	Description	
A	ASME B16.5 (American Society of Mechanical Engineers)	★

Process connection style

Code	Description	
RFW	Flanged seal	★

Process connection size

Code	ASME B16.5	EN 1092-1/GOST 33259-15	JIS B2238	
2	1-in.	N/A	25A	★
4	1½-in.	N/A	40A	★

Flange/pressure rating

Code	ASME B16.5	EN 1092-1/GOST 33259-15	JIS B2238	
1 ⁽¹⁾	Class 150	N/A	10K	
2 ⁽²⁾	Class 300	N/A	20K	★
4	Class 600	N/A	40K	

(1) Not available for Flange, ANSI, 1.5-in. Class 150 316 SST.

(2) Only available for Flange, ANSI, 1.5-in. Class 600 CS-Zinc Plated.

Diaphragm, upper housing, flange material

Code	Diaphragm	Upper housing	Flange	
CA	316L SST	316 SST	CS	★
DA	316L SST	316 SST	316 SST	★
CB	Alloy C-276	316 SST	CS	★
DB	Alloy C-276	316 SST	316 SST	★

Flushing connection ring material (lower housing)

A C-4401 Aramid fiber intermediate gasket supplied if no other intermediate gasket option is selected.

Code	Description	
A	316L SST+	
B	Alloy C-276	

Flushing connections (connection size)

Code	Description	
5	None	
1	One connection (¼–18 NPT)	
3	Two connections (¼–18 NPT)	
9	Two connections (½–14 NPT)	

Additional options**Flushing plug, vent/drain valve**

Code	Description	
G ⁽¹⁾	316 SST plug(s) for flushing connection(s)	
H ⁽¹⁾	316 SST vent/drain for flushing connection(s)	
J	PTFE Gasket (for use with flushing connection ring)	

(1) Only available for ¼-in. flushing connection.

EFW Extended Flanged Seal ordering information



Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

Required model components

Industry standards

Code	Description	
A	ASME B16.5 (American Society of Mechanical Engineers)	★

Process connection style

Code	Description	
EFW	Extended flanged seal	★

Process connection size

Code	ASME B16.5	EN 1092-1/GOST 33259-15	JIS B2238	Extension diameters	
7	3-in. (Schedule 80)	N/A	80A	2.58-in. (66 mm)	★
G ⁽¹⁾	2-in.	DN 50	50A	1.90-in. (48 mm)	

(1) Only available for 2-in. extension length).

Flange/pressure rating

Code	ASME B16.5	EN 1092-1/GOST 33259-15	JIS B2238	
1	Class 150	–	10K	★
2	Class 300	–	20K	★
4	Class 600	–	40K	★

Diaphragm, extension and gasket surface, upper housing, flange material

● = Available, – = Unavailable

Code	Diaphragm	Extension/ gasket surface	Upper housing	Mounting flange	
DA	316L SST	316L SST	316L SST	316 SST	★
CA	316L SST	316L SST	316L SST	CS	★
DB	Alloy C-276	Alloy C-276	316L SST	316 SST	
CB	Alloy C-276	Alloy C-276	316L SST	CS	

Extension length

Code	ASME B16.5	EN 1092-1/JIS B2238/GOST 33259-15	
2	2-in.	50 mm	★
4	4-in.	100 mm	★
6	6-in.	150 mm	★

Fractional extension length

Code	ASME B16.5	EN 1092-1/JIS B2238/GOST 33259-15	
0	0-in.	0 mm	★

PFW Pancake Seal ordering information



Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

Required model components

Industry standards

Code	Description	
A	ASME B16.5	★

Process connection style

Code	Description	
PFW	Pancake seal	★

Process connection size

Code	ASME B16.5	EN 1092-1/GOST 33259-15	
G	2-in.	DN 50	★
7	3-in.	N/A	★

Flange/pressure rating

Code	ASME B16.5	EN 1092-1/GOST 33259-15	
0	No flange supplied, seal MWP based on customer supplied flange	No flange supplied, seal MWP based on customer supplied flange	★
1	Class 150	N/A	★
2	Class 300	N/A	★
4	Class 600	N/A	★

Diaphragm and wetted, upper housing, flange material

Code	Diaphragm and wetted	Upper housing	Flange	
LA ⁽¹⁾	316L SST	316L SST	None	★
CA ⁽¹⁾	316L SST	316L SST	CS	★
DA ⁽¹⁾	316L SST	316L SST	316 SST	★

(1) For use with spiral wound metallic gaskets.

Flushing connection ring material (lower housing)

A Thermo-tork TN 9000 intermediate gasket supplied if no other intermediate gasket option is selected.

Code	Description	
0	None	★

Code	Description	
A	316L SST	★
B	Alloy C-276	

Flushing connections (connection size)

Code	Description	
0	None	★
1	One connection (¼–14 NPT)	
3	Two connections (¼–14 NPT)	
7	One connection (½–14 NPT)	
9	Two connections (½–14 NPT)	

Additional options

Intermediate gasket material

Code	Description	
J	PTFE gasket (for use with flushing connection ring)	★

Lower housing alignment clamp

Code	Description	
SA	Lower housing alignment clamp	

Flushing plug, vent/drain valve

Code	Description	
G	316 SST plug(s) for flushing connection(s)	★
H	316 SST vent/drain for flushing connection(s)	★

Threaded seals

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

RTW Remote Threaded Seal ordering information



Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

Required model components

Industry standards

Code	Description	
A	ASME B1.20.1	★

Process connection style

Code	Description	
RTW	Threaded (standard thread is female, for male select Option code 9)	★

Process connection size

Code	ASME B1.20.1	EN 10226-1	ISO 228-1	
3	½–14 NPT	N/A	N/A	★
4	¾–14 NPT	N/A	N/A	★

Pressure rating

Code	ASME B1.20.1	EN 10226-1	ISO 228-1	
0	2500 psi	172 bar H	172 bar H	★

Diaphragm, upper housing, flange material

Code	Diaphragm (wetted)	Upper housing (non-wetted)	Flange	
CA	316L SST	316L SST	CS	★
DA	316L SST	316L SST	316 SST	★
CB	Alloy C-276	316L SST	CS	
DB	Alloy C-276	316L SST	316 SST	

Flushing connection ring material (lower housing)

A C-4401 Aramid fiber intermediate gasket supplied if no other intermediate gasket option is selected.

Flushing connection ring/lower housing assembly bolts provided as standard are carbon steel for ANSI and 304 SST for EN.

Code	Description	
A	316L SST	★

Flushing connections (connection size)

Code	Description	
5	None	
1	One connection (¼–18 NPT)	
3	Two connections (¼–18 NPT)	
9	Two connections (½–14 NPT)	

Additional options**Flushing plug, vent/drain valve**

Code	Description	
Y	C-4401 gasket (for use with flushing connection ring)	
J	PTFE gasket (for use with flushing connection ring)	
G	316 SST plug(s) for flushing connection(s)	
H	316 SST vent/drain for flushing connection(s)	

Bolt material

Code	Description	
None	Carbon Steel	
4	316 SST bolts	

Hygienic seals

Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

SCW Hygienic Tri-Clover Style Tri-Clamp ordering information



Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

Required model components

Industry standards

Code	Description	
S	Hygienic seal (conforms to 3-A® Standard 74-06 and EHEDG Type EL Class I)	★

Process connection style

For gaskets furnished by the user, ensure EGEDG-approved gaskets are used to ensure conformity. EHEDG conformity is not retained if clamp and gasket material codes 2 or 3 are selected.

All process wetted parts have surface finish of Ra < 32 µin (0.81 µm) standard unless otherwise specified.

Code	Description	
SCW	Tri-Clover style Tri-Clamp seal	★

Process connection size

Code	3-A Standard 74-06	
50 ⁽¹⁾	2-in.	★
70	3-in.	★

(1) Consult factory for calibrated spans lower than 150 inH₂O (373 mbar).

Diaphragm and wetted, upper housing material

Code	Diaphragm (wetted)	Upper housing (non-wetted)	
LA00	316L SST		★
LB00	Alloy C-276	316L SST	

Clamp and gasket material

These options are not EHEDG approved.

Code	Description	
2	High-pressure Ladish™ clamp and nitrile butadiene (NBR) gasket	
3	Nitrile butadiene (NBR) gasket	

SSW Hygienic Tank Spud Seal ordering information



Specification and selection of product materials, options, or components must be made by the purchaser of the equipment.

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Industry standards

Code	Description	
S	Hygienic seal (conforms to 3-A® Standard 74-06)	★

Process connection style

Ethylene propylene O-ring (conforms to 3-A standard 74 and USP Class VI) and clamp are supplied with the SSW seal.

All process wetted parts have surface finish of Ra < 32 μin (0.81 μm) standard unless otherwise specified.

Code	Description	
SSW	Tank spud seal	★

Process connection size, pressure rating

Code	Description	
A0	150 psi (10.3 bar)	★

Upper housing

Code	Description	
A	316L SST	★

Diaphragm and wetted, extension material

Code	Diaphragm and wetted	Extension	
AL ⁽¹⁾	316L SST	316L SST	★

(1) Diaphragm brazed and TIG-welded to extension.

Extension length

Code	Description	
2	2-in.	★
6	6-in.	★

Additional options

Tank spud

Code	Description	
1	SST tank spud included with shipment	★

Product definitions

The below specific definitions are effective for the Rosemount Quick Ship & Repair program and full Emerson Terms & Conditions will be detailed during the request for quotation and product offer stage.

Priority service levels

Priority service levels are effective from the date of the customer executable order being received by Emerson Australia & New Zealand and provided the executable order is received prior to 12 PM Australian Eastern Standard Time (AEST) on a standard business day. For executable orders received after 12 PM AEST on a weekend or public holiday, the priority service will commence from the following business day.

Due to production and inventory demands, all customer priority service requests will be accommodated on a “first come, first served basis” and the manufacturing schedule decided based on the date that the executable order is received by Emerson and the level of priority service requested by the customer.

Emerson will endeavor to support every customer priority service level request and, in cases where the customer priority service level expectation cannot be met, Emerson will contact the customer order representative to discuss alternative dispatch options and lead-times.

Order dispatch

All orders will be dispatched with the first available and scheduled Emerson priority courier following the completion of the manufacturing process.

In cases where a customer nominated courier or representative will collect the order, the equipment will be available for collection after three (3) PM AEST on the last day of the confirmed priority service level or earlier if advised by Emerson.

Product offering

The Quick Ship capabilities are limited to the product offering detailed in this document and any requests that are not supported by the Quick Ship product offering will be manufactured in accordance with standard Emerson and Rosemount supply chain solutions and lead-times.

Executable order

The following conditions are required for the purchase order to be valid and executable by the Quick Ship & Repair team;

- matching quotation provided by Emerson for the Quick Ship & Repair product offering
- full model code provided and quantities within the Quick Ship & Repair product offering scope
- relevant calibration, tagging and configuration details included
- valid customer account with Emerson Australia Pty Ltd or Emerson New Zealand Ltd, transaction history within the past 18 months (of order date) and available credit against Emerson defined credit limits
- no overdue invoices or credit holds on the existing customer account

For more information: www.emerson.com

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