

Sanitary Seals

WIKAI

Sanitary Seals

Type L990.18

- Sanitary. DIN 11851
- European Sanitary Process Connection
- Diaphragm Welded to Upper Housing



WIKA Type L990.18 features a European sanitary process connection per DIN 11851. The design contains a diaphragm welded to the upper housing. This seal contains either a male or female (union nut) threaded process connection. This seal is designed for applications in the pharmaceutical, food and beverage industries.

Standard Features

- **Pressure Rating, Maximum:**
DN25, DN32 & DN40 = 600 PSI
DN50 & DN80 = 360 PSI
- **Suitable Pressure, Minimum¹:**
Gauge Mechanical, Range:
DN25 process connection:
2½" -30" Hg to 100 PSI up to -30" Hg to 600 PSI
4 & 4½" N/A
DN32 process connection:
2½" -30" Hg to 60 PSI up to -30" Hg to 600 PSI
4 & 4½" -30" Hg to 400 PSI up to -30" Hg to 600 PSI
DN40 process connection:
2½" -30" Hg to 0 PSI up to -30" Hg to 600 PSI
4 & 4½" -30" Hg to 100 PSI up to -30" Hg to 600 PSI
DN50 & DN80 process connection:
-30" Hg to 0 PSI up to -30" Hg to 360 PSI
Gauge & Absolute Switch or Transmitter, Span²: 12 PSI
Differential Switch or Transmitter, Span²: 150" H₂O differential
- **Operating Temperature³:** -10°F to 572°F (-23°C to 300°C)

Notes:

1. Typical values, dependant on pressure instrument, process connection size and application
2. Value is dependant on process connection size
3. Can vary based on selection of materials, o-ring, assembly hardware and system fill fluid

Datasheet: L990.18



L990.18 Smart Codes for Custom Order Configurations				
Field No.	Code	Feature	Basic Price	Total
1	Process Connection Type			
	A	grooved union nut	243.10	
	B	threaded support, male	362.90	
2	Process Connection		Add. Price	
	D82	DN 25	N\C	
	D90	DN 32	13.70	
	D83	DN 40	57.20	
	D84	DN 50	119.80	
	???	Other - Please Specify	on inquiry	
3	Material of Wetted Parts			
	A2	Stainless Steel 316L(1.4435)	N\C	
	B2	Stainless Steel 316L(1.4435)Electropolished	29.80	
	A7	Hastelloy C276(2.4819)	on inquiry	
??	Other - Please Specify	on inquiry		
4	Gasket (Process Seal)			
	Z	Without	N\C	
	G	BUNA-N (NBR) max. 212°F	N\C	
E	Teflon (PTFE) max. 500°F	24.00		
5	Connection to the Pressure Instrument			
	4	1/4 NPT Female	N\C	
	3	1/2 NPT Female	N\C	
	5	Axial Weld-in Connection	N\C	
?	Other - Please Specify	on inquiry		
6	System Fillport			
	A	Without	N\C	
C	Filler Hole M6 Set Screw	N\C		
7	Quality Certificates			
	Z	Without	N\C	
J	Electro-polish Certificate	on inquiry		
8	Additional Order Details			
	Z	Without	N\C	
T	Additional Order Details	on inquiry		

TOTAL PRICE

Order Code:

1
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8*
L990.18 - -

*Additional order details _____

WIKAI

Sanitary Seals

Type L990.22

- Sanitary, Tri-Clamp®
- Sanitary Process Connection
- Diaphragm Welded to Upper Housing



Type L990.22 Tri-Clamp® sanitary process connection is designed to mate with an equal sized fitting. This seal is designed to facilitate ease of assembly and disassembly from its mating fitting. This seal and mating fitting are held together via a clamp to minimize impurities entering the process during the removal and reinstallation of the seal. This seal meets the criteria set by "3A" standards. This seal is designed for applications in the pharmaceutical, and food & beverage industries.

Standard Features

- **Design:** This seal is designed to mate with a Tri-Clamp® sanitary process connection. The external flush diaphragm with gasket provides a hygienic process connection. The standard material of construction is 316 stainless steel. Electropolished process wetted surfaces are available as an option.
- **Pressure Rating, Maximum** (clamping device dependent, ref. MSHHS clamp):
1½" = 600 PSI, 2" = 550 PSI, 2½" = 450 PSI, 3" = 350 PSI, 4" = 250 PSI
- **Suitable Pressure, Minimum¹:**
Gauge Mechanical, Range:
1½" process connection:
2½" -30" Hg to 60 PSI up to -30" Hg to 600 PSI
4 & 4½" -30" Hg to 400 PSI up to -30" Hg to 600 PSI
2" process connection:
2½" -30" Hg to 0 PSI up to -30" Hg to 550 PSI
4 & 4½" -30" Hg to 100 PSI up to -30" Hg to 550 PSI
2½", 3", & 4" process connection:
-30" Hg to 0 PSI up to -30" Hg to maximum pressure rating
Gauge & Absolute Switch or Transmitter, Span²: 200" H₂O
Differential Switch or Transmitter, Span²: 10" H₂O differential
- **Operating Temperature³:** -10°F to 572°F (-23°C to 300°C)

Notes:

1. Typical values, dependant on pressure instrument, process connection size and application
2. Value is dependant on process connection size
3. Can vary based on selection of materials, o-ring, assembly hardware and system fill fluid

Datasheet: L990.22

Previous model number: 990.22TC



L990.22 Smart Codes for Custom Order Configurations				
Field No.	Code	Feature	Basic Price	Total
Process Connection				
1	A83	1 1/2"	216.80	
	A84	2"	216.80	
	A91	2 1/2"	297.80	
	A85	3"	318.40	
	A86	4"	345.80	
	???	Other - Please Specify	on inquiry	
Add. Price				
Material of Wetted Parts				
2	A2	Stainless Steel 316L (1.4435)	N/C	
	B2	Stainless Steel 316L (1.4435) Electropolished	29.80	
	A7	Hastelloy® C276 (2.4819)	on inquiry	
	??	Other - Please Specify	on inquiry	
Gasket (Process Seal)				
3	Z	Without	N/C	
Connection to the Pressure Instrument				
4	4	1/4 NPT Female	N/C	
	3	1/2 NPT Female	N/C	
	5	Axial Weld-in Connection	N/C	
	?	Other - Please Specify	on inquiry	
System Fillport				
5	A	Without	N/C	
	C	Filler Hole M6 Set Screw	N/C	
Quality Certificates				
6	Z	Without	N/C	
	J	Electro-polish Certificate	on inquiry	
	B	Certification to EN 10 204 3.1B (Material Certificates)	100.50	
Additional Order Details				
7	Z	Without	N/C	
	3	3A Logo Etched on Seal	11.50	
	T	Additional Order Details	on inquiry	

TOTAL PRICE

Order Code:

1 2 3 4 5 6 7*

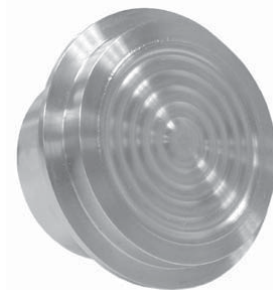
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*Additional order details _____

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Sanitary Seals

Type L990.57



- Sanitary, Cherry Burrell® "I"-Clamp
- Sanitary Process Connection
- Diaphragm Welded to Upper Housing

Type L990.57, Cherry Burrell® "I"- Clamp male sanitary process connection is designed to mate with an equal sized female fitting. This seal is designed to ease the method of assembly and disassembly from its mating fitting and to minimize all internal cavities. This seal is designed for applications in the pharmaceutical, and food & beverage industries.

Standard Features

- **Pressure Rating, Maximum:**
1½" = 500 PSI, 2" = 450 PSI, 2½" = 400 PSI, 3" = 350 PSI, 4" = 200 PSI
- **Suitable Pressure Minimum¹:**
Gauge Mechanical, Range:
1½" process connection:
2½" -30" Hg to 60 PSI up to -30" Hg to 500 PSI
4 & 4½" -30" Hg to 400 PSI up to -30" Hg to 500 PSI
2" process connection:
2½" -30" Hg to 0 PSI up to -30" Hg to 450 PSI
4 & 4½" -30" Hg to 100 PSI up to -30" Hg to 450 PSI
2½" and larger process connection:
-30" Hg to 0 PSI up to -30" Hg to maximum pressure rating
Gauge & Absolute Switch or Transmitter, Span²: 275" H₂O
Differential Switch or Transmitter, Span²: 25" H₂O differential
- **Operating Temperature³:** -10°F to 572°F (-23°C to 300°C)

Notes:

1. Typical values, dependant on pressure instrument, process connection size and application
2. Value is dependant on process connection size
3. Can vary based on selection of materials, o-ring, assembly hardware and system fill fluid

Datasheet: L990.57



L990.57 Smart Codes for Custom Order Configurations				
Field No.	Code	Feature	Basic Price	Total
Process Connection				
1	A83	1-1/2"	216.80	
	A84	2"	216.80	
	A91	2-1/2"	297.80	
	A85	3"	318.40	
	A86	4"	345.80	
	???	Other - Please Specify	on inquiry	
Add. Price				
Material of Wetted Parts				
2	A2	Stainless Steel 316L (1.4435)	N/C	
	B2	Stainless Steel 316L (1.4435) Electropolished	29.80	
	A7	Hastelloy C276 (2.4819)	on inquiry	
	??	Other - Please Specify	on inquiry	
Gasket (Process Seal)				
3	Z	Without	N/C	
Connection to the Pressure Instrument				
4	4	1/4 NPT Female	N/C	
	3	1/2 NPT Female	N/C	
	5	Axial Weld-in Connection	N/C	
	?	Other - Please Specify	on inquiry	
System Fillport				
5	A	Without	N/C	
	C	Filler Hole M6 Set Screw	N/C	
Quality Certificates				
6	Z	Without	N/C	
	J	Electro-polish Certificate	on inquiry	
	B	Certification to EN 10 204 3.1B (Material Certificates)	100.50	
Additional Order Details				
7	Z	Without	N/C	
	T	Additional Order Details	on inquiry	

TOTAL PRICE

Order Code:

1 2 3 4 5 6 7*

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*Additional order details _____

WIKAI

Sanitary Seals

Type L990.58



- Sanitary, APC
- Sanitary Process Connection
- Diaphragm Welded to Upper Housing

Type L990.58, APC sanitary process connection is designed to mate with an equal sized fitting. This seal is designed to ease the assembly and disassembly procedure from its mating fitting, and to minimize all internal cavities. This seal is designed for applications in the pharmaceutical, and food & beverage industries.

Standard Features

- **Pressure Rating, Maximum:**
1½" = 500 PSI, 2" = 450 PSI, 2½" = 400 PSI, 3" = 350 PSI,
4" = 200 PSI
- **Suitable Pressure, Minimum¹:**
1½" process connection:
2½" -30" Hg to 60 PSI up to -30" Hg to 500 PSI
4 & 4½" -30" Hg to 400 PSI up to -30" Hg to 500 PSI
2" process connection:
2½" -30" Hg to 0 PSI up to -30" Hg to 450 PSI
4 & 4½" -30" Hg to 100 PSI up to -30" Hg to 450 PSI
2½", 3", and 4" process connection:
-30" Hg to 0 PSI up to -30" Hg to maximum pressure rating
Gauge & Absolute Switch or Transmitter, Span²: 200" H₂O
Differential Switch or Transmitter, Span²: 10" H₂O differential
- **Operating Temperature³:** -10°F to 572°F (-23°C to 300°C)

Notes:

1. Typical values, dependant on pressure instrument, process connection size and application
2. Value is dependant on process connection size
3. Can vary based on selection of materials, o-ring, assembly hardware and system fill fluid

Datasheet: L990.58



L990.58 Smart Codes for Custom Order Configurations				
Field No.	Code	Feature	Basic Price	Total
Process Connection				
1	A83	1-1/2"	216.80	
	A84	2"	216.80	
	A91	2-1/2"	297.80	
	A85	3"	318.40	
	A86	4"	345.80	
	???	Other - Please Specify	on inquiry	
Add. Price				
Material of Wetted Parts				
2	A2	Stainless Steel 316L (1.4435)	N/C	
	B2	Stainless Steel 316L (1.4435) Electropolished	29.80	
	A7	Hastelloy C276 (2.4819)	on inquiry	
	??	Other - Please Specify	on inquiry	
Gasket (Process Seal)				
3	Z	Without	N/C	
Connection to the Pressure Instrument				
4	4	1/4 NPT Female	N/C	
	3	1/2 NPT Female	N/C	
	5	Axial Weld-in Connection	N/C	
	?	Other - Please Specify	on inquiry	
System Fillport				
5	A	Without	N/C	
	C	Filler Hole M6 Set Screw	N/C	
Quality Certificates				
6	Z	Without	N/C	
	J	Electro-polish Certificate	on inquiry	
	B	Certification to EN 10 204 3.1B (Material Certificates)	100.50	
Additional Order Details				
7	Z	Without	N/C	
	3	3A Logo Etched on Seal	11.50	
	T	Additional Order Details	on inquiry	

TOTAL PRICE

Order Code:

1 2 3 4 5 6 7*

L990.58 - -

*Additional order details _____

WIKAI

Sanitary Seals

Type L990.SD



- Sanitary, Tank Spud
- Sanitary Process Connection
- Diaphragm Welded to Extension End

Type L990.SD, 4" tank spud with extended process connection is designed to mate with a corresponding fitting. The typical extension length on this seal is 2" and 6" with an outside diameter of 4.0". This seal is designed to ease the process of installation and removal from its mating fitting and to minimize all internal cavities. The seal is fastened to the fitting welded to the tank with use of a 4" Ladish clamp. The seal is designed for applications in the food & beverage industries.

Standard Features

- **Pressure Rating, Maximum¹:** 600 PSI
- **Suitable Pressure Span, Minimum²:**
Gauge Mechanical, Range: -30" Hg to 0 PSI up to -30" Hg to 600 PSI
Gauge & Absolute Switch or Transmitter, Span: 200" H₂O
Differential Switch or Transmitter, Span: 10" H₂O differential
- **Operating Temperature¹:** 10°F to 572°F (-23°C to 300°C)

Notes:

1. Can vary based on selection of materials, o-ring, assembly hardware and system fill fluid
2. Typical values, dependant on pressure instrument and application

Datasheet: L990.SD



L990.SD Smart Codes for Custom Order Configurations				
Field No.	Code	Feature	Basic Price	Total
1	Process Connection			
	A86	4" Tank Spud	1055.60	
2	Material of Wetted Parts		Add. Price	
	A2	Stainless Steel 316L (1.4435)	N\C	
	B2	Stainless Steel 316L (1.4435) Electropolished	106.20	
	A7	Hastelloy C276 (2.4819)	on inquiry	
	??	Other - Please Specify	on inquiry	
3	Length of Diaphragm Extension			
	2	2" Ext.	N\C	
	6	6" Ext.	217.80	
4	Gasket (Process Seal)			
	Z	Without	N\C	
	J	Viton (FPM) max. 400°F	N\C	
5	Connection to the Pressure Instrument			
	4	1/4 NPT Female	N\C	
	3	1/2 NPT Female	N\C	
	5	Axial Weld-in Connection	N\C	
	?	Other - Please Specify	on inquiry	
6	System Fillport			
	A	Without	N\C	
	C	Filler Hole M6 Set Screw	N\C	
7	Quality Certificates			
	Z	Without	N\C	
	B	Certification to EN 10 204 3.1B (Material Certificates)	100.50	
	J	Electro-polish Certificate	on inquiry	
8	Additional Order Details			
	Z	Without	N\C	
	T	Additional Order Details	on inquiry	
	3	3A Logo Etched on Seal	11.50	

TOTAL PRICE

Order Code:

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DAUGHTRIDGE SALES Co., Inc.
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