

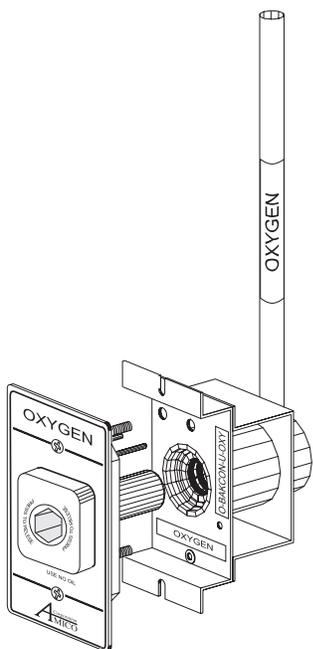
# MEDICAL GAS OUTLET OPERATION, MAINTENANCE AND INSTALLATION MANUAL

## DISS

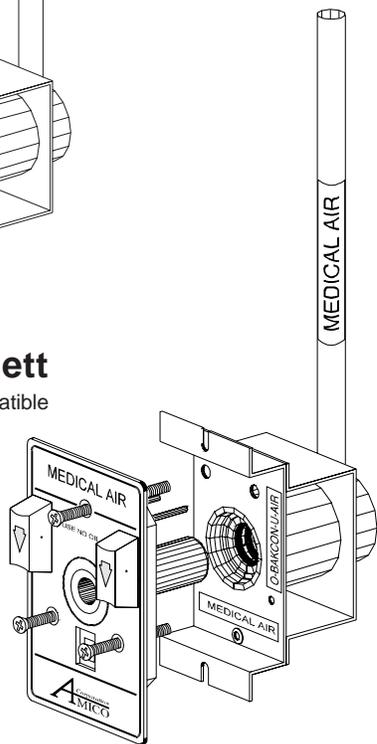
**OHMEDA**  
*compatible*

**CHEMETRON**  
*compatible*

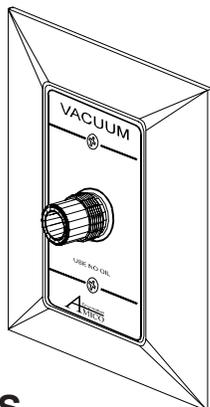
**PURITAN-BENNETT**  
*compatible*



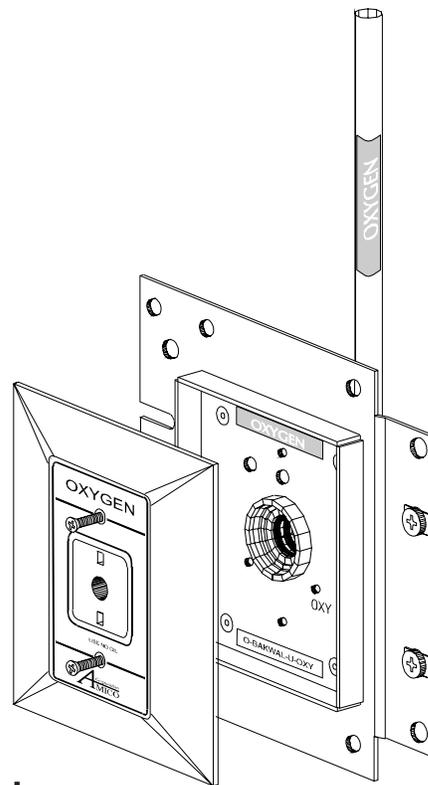
**Puritan-Bennett**  
*compatible*



**Chemetron**  
*compatible*



**DISS**



**Ohmeda**  
*compatible*

**A** Corporation  
**AMICO**

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## PRODUCT DESCRIPTION

The Amico Medical Gas outlet is composed of two separate modules: the “Rough-in assembly” and the “Latch-valve assembly”. The “Rough-in assembly” is the same for all types (DISS, Ohmeda, Chemetron or Puritan-Bennett), while the “Latch-valve assembly” determines what type of adapter the outlet will accept.

The “Rough-in assembly” consists of a brass machined body, that incorporates a spring loaded check assembly. A 1/4" brass pipe is silver brazed into the body for external pipeline connections. The brass body and pipe assembly are inserted into a gas specific plate, which is riveted in place for permanent assembly. The wall outlets can be ganged together at 5" [127mm] center to center (see page 2). This makes for a finished assembly that looks like one complete panel of outlets. The “Rough-in assembly” is colour coded, on the front plate and the copper pipe, so that the installer can easily identify the gas that the copper pipe should be connected to. The “Rough-in assembly” incorporates a check valve, that allows the “Latch valve assembly” to be removed for service, without requiring the pipeline to be shut down. The “Rough-in assembly” has a DUAL pin gas specific indexing arrangement, to prevent the wrong “Latch valve assembly” from being plugged into the “Rough-in assembly” (see page 7). Even if the “Latch-valve assembly” is rotated in different angles the dual pin arrangement prevents the “Latch-valve assembly” from being inserted into the “Rough-in assembly”.

The “Latch-valve assembly” is manufactured in four different models: DISS, Quick connect Ohmeda compatible, Quick connect Chemetron compatible, or Quick connect Puritan-Bennett compatible. The DISS “Latch-valve assembly” is permanently riveted together, so that the gas specific components cannot be taken apart and hence lose their gas specificity. All the servicing on the DISS outlet is done inside the connector. On the Quick connect models the connector plate can be removed for additional O-ring servicing, but the gas specificity will not be compromised since the gas specific parts are still permanently riveted together. The “Latch-valve assembly” consists of a connector with an integral check valve, an indexing block complete with indexing pins, a colour coded gas front plate and a chromed frame. The “Latch-valve assembly” is inserted into the “Rough-in assembly” and secured with two stainless steel screws.

The quick connect models are compatible with the Ohmeda Diamond, the Chemetron, or the Puritan-Bennett quick connect adapters and only the corresponding type of adapters can be used with the quick connect outlets. The DISS outlet conforms to the CGA Pamphlet V-5 standards. Since the “Rough-in assembly” is the same for all models of “Latch-valve assemblies”, the outlet can easily be converted from one type to another by simply replacing the “Latch-valve assembly”.

## CLEANING AND LUBRICATING

The Amico Outlets are factory cleaned for oxygen service. Exposed surfaces of the outlet may be cleaned with a mild detergent solution or wiped with a disinfectant commonly used in patient rooms that is compatible with plastics, anodized aluminium and die cast zinc. Lubricate elastomer seals sparingly with a silicone lubricant that is oxygen compatible. **DO NOT USE OIL.**

## INSPECTION AND TESTING

Medical Gas Outlets should be inspected periodically or at least once a year. The test should be in accordance with NFPA 99-93 “*Gas and Vacuum systems*”, or CSA Z305.1-92 “*Nonflammable Medical Gas Piping System*”.

**Test for leaks:** Ensure that no leaks exist, with or without the adapter inserted.

**Test for Indexing:** Only a mating gas specific adapter should insert smoothly into the outlet, latch and be retained.

**Test for Flow:**

- Gas Outlets: 120 l/min (4.2 scfm) @ 345 kPa (50 psi), maximum allowable pressure drop is 28 kPa (4 psi).
- Nitrogen Outlet: 400 l/min (14.1 scfm) @ 1,250 kPa (180 psi), maximum allowable pressure drop is 70 kPa (10 psi).
- Vacuum Outlet: 30 l/min (1.1 scfm) @ 54 kPa (16 inHg), maximum allowable pressure drop is 13 kPa (4 inHg).

Refer to the appropriate standards for the proper way of performing the flow test.

Note: The Amico medical gas and vacuum outlets meet and exceed these requirements at the time of manufacture. However piping source capacity, sizing and restrictions may prevent outlets from attaining these values.

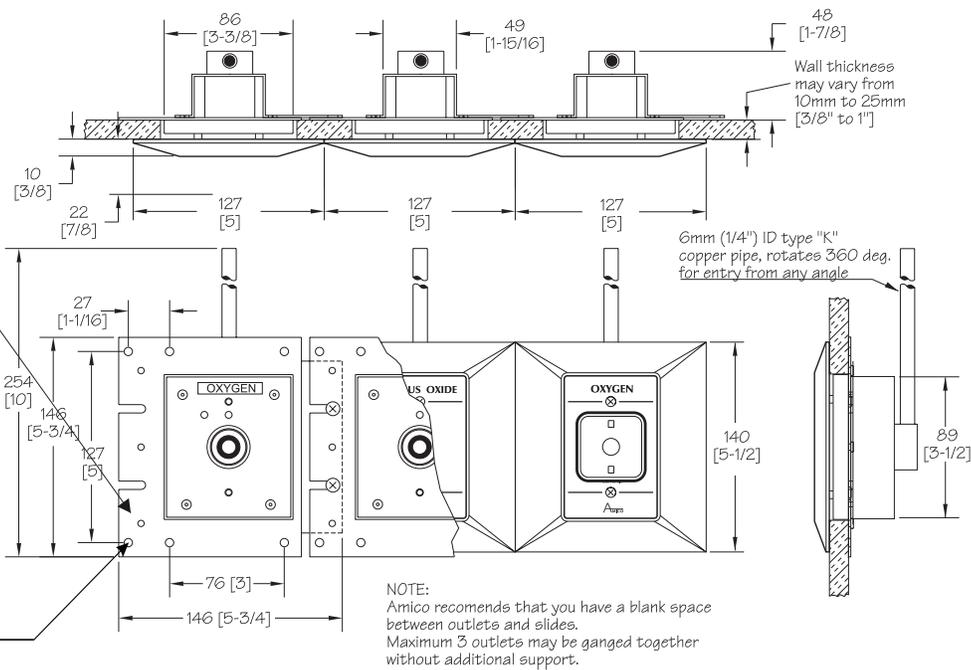
# INSTALLATION AND DIMENSIONS

## WALL OUTLETS

DISS, Ohmeda compatible, Chemetron compatible, and Puritan-Bennett compatible

When wall outlets are ganged together, ensure that they are 5" from center to center. DO NOT let the notches on the mounting plate pass the adjacent holes on the next mounting plate.

Do not bury the outlet during the drywall and plaster application. Ensure that the cover over the outlet is in place until the "Latch-valve assembly" can be installed.

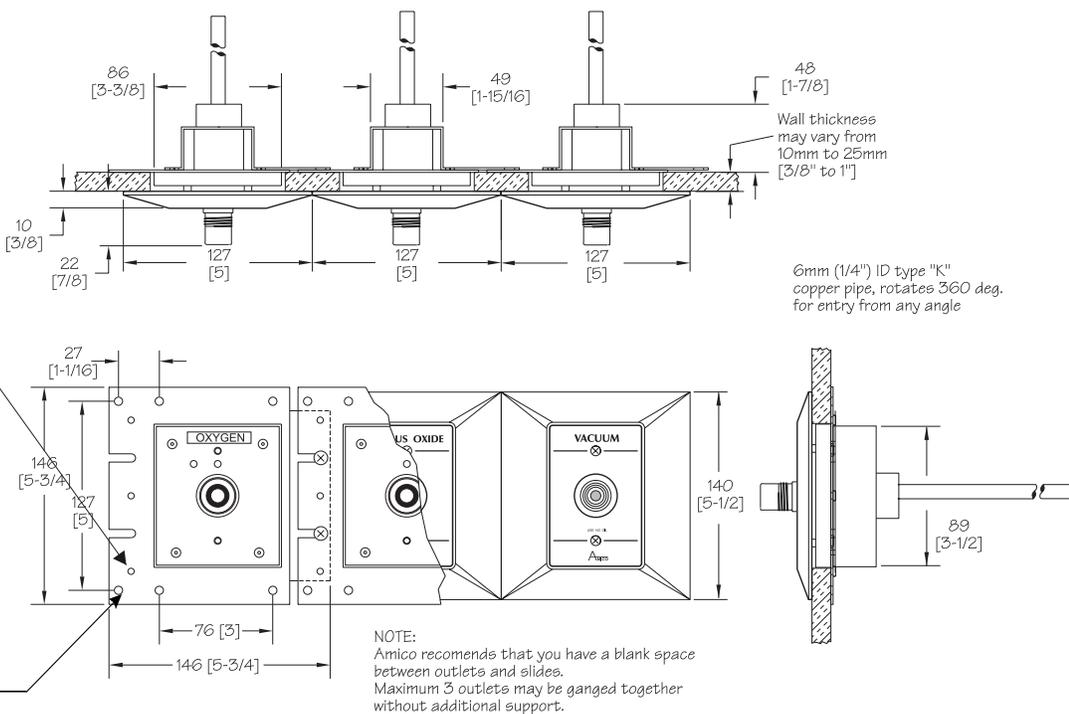


## CEILING OUTLETS

DISS, Ohmeda compatible, Chemetron compatible, and Puritan-Bennett compatible

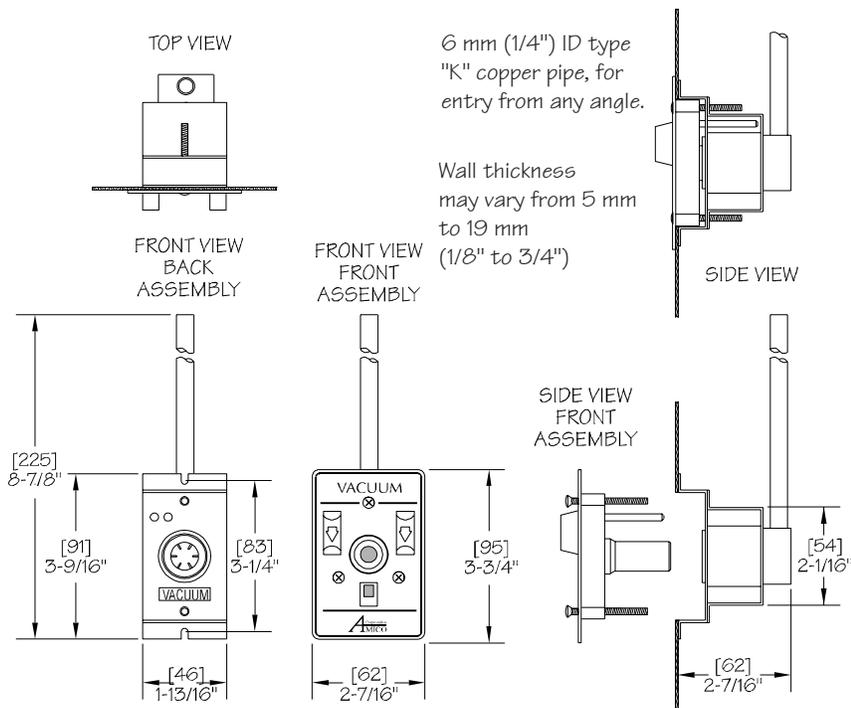
When wall outlets are ganged together, ensure that they are 5" from center to center. DO NOT let the notches on the mounting plate pass the adjacent holes on the next mounting plate.

Do not bury the outlet during the drywall and plaster application. Ensure that the cover over the outlet is in place until the "Latch-valve assembly" can be installed.



## CONSOLE OUTLETS

DISS, Ohmeda compatible, Chemetron compatible and Puritan-Bennett compatible



On all outlets (wall and console) the connecting pipe can swivel a full 360 deg. for easy connection to the gas pipe.

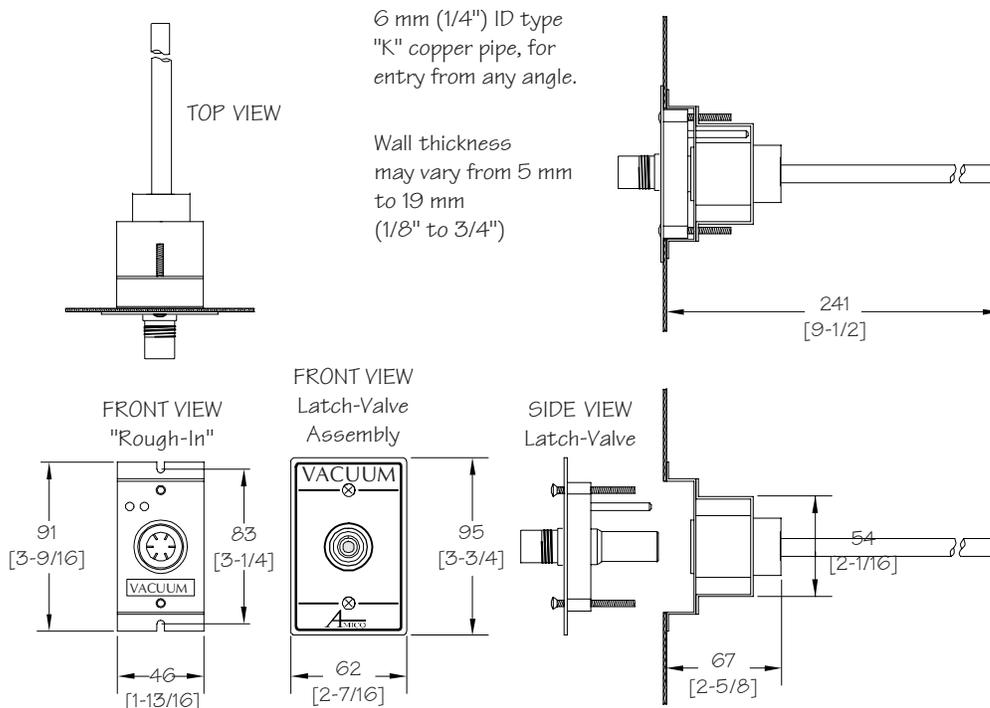
When soldering the pipe connection take care not to heat up the body, since that could damage the secondary check valve.

It is very important to keep the protective cover (wall outlets only) in place during construction, to ensure that no debris or dirt get into the outlet.

When installing the "Latch-valve assembly", remove the protective cover and inspect for dirt or debris in the outlet body. Clean out the contaminants if required.

## CEILING COLUMN OUTLETS

DISS, Ohmeda compatible, Chemetron compatible, and Puritan-Bennett compatible



The "Latch-valve assembly" should slide in smoothly into the "Rough-In assembly", if not check that there is no damages to the indexing pin arrangements. If the indexing pins are bent or damaged replace the "Latch-valve assembly".

**DO NOT PRESSURE TEST THE PIPELINE OVER 100 PSI [690 kPa] IF THE "Latch-valve assembly" HAS BEEN INSTALLED.**

All "Rough-in assembly's" can be pressure tested up to a maximum of 200psi without the "Latch-valve assembly" attached to it.

All "Latch-valve assembly's" with the exception of Nitrogen DISS have a Maximum pressure rating of 100 PSI [690 kPa]. The Nitrogen DISS has a maximum pressure rating of 200 psi [1,380 kPa].

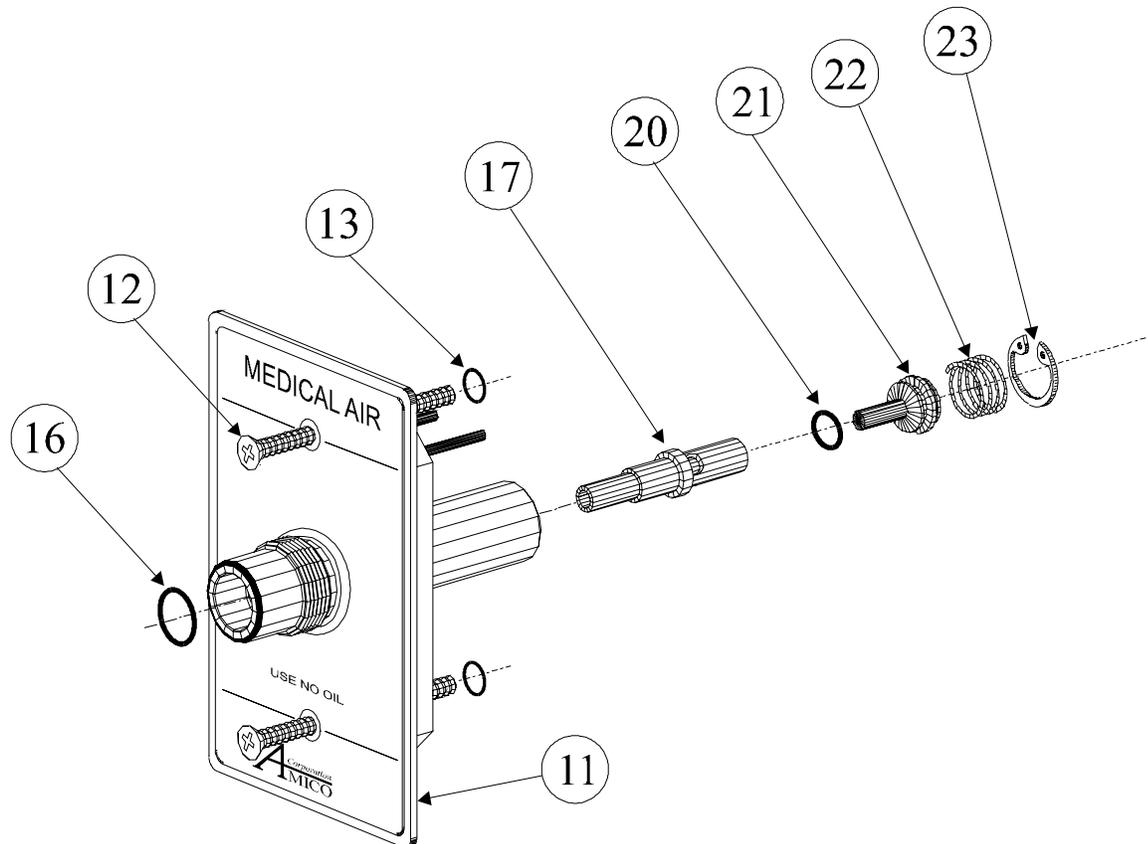
After the installation do the test on page 1.

# SERVICE

Before performing any maintenance on the Outlet, the appropriate hospital maintenance or engineering personnel should be notified. The “Latch-valve assembly” can be removed without interrupting the service, but when servicing the “Rough-In assembly” the supply pressure has to be shut off.

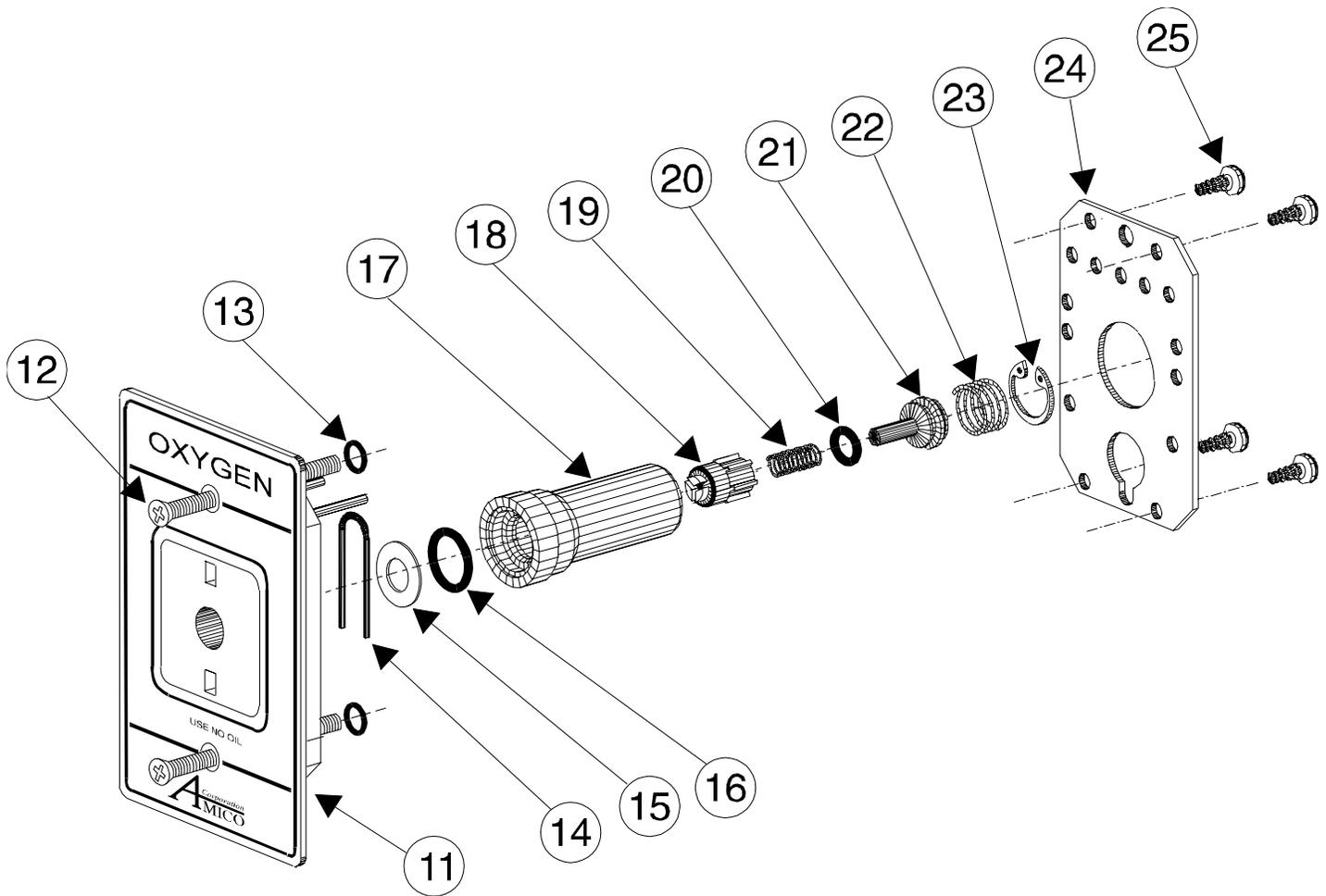
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## LATCH VALVE ASSEMBLY DISS



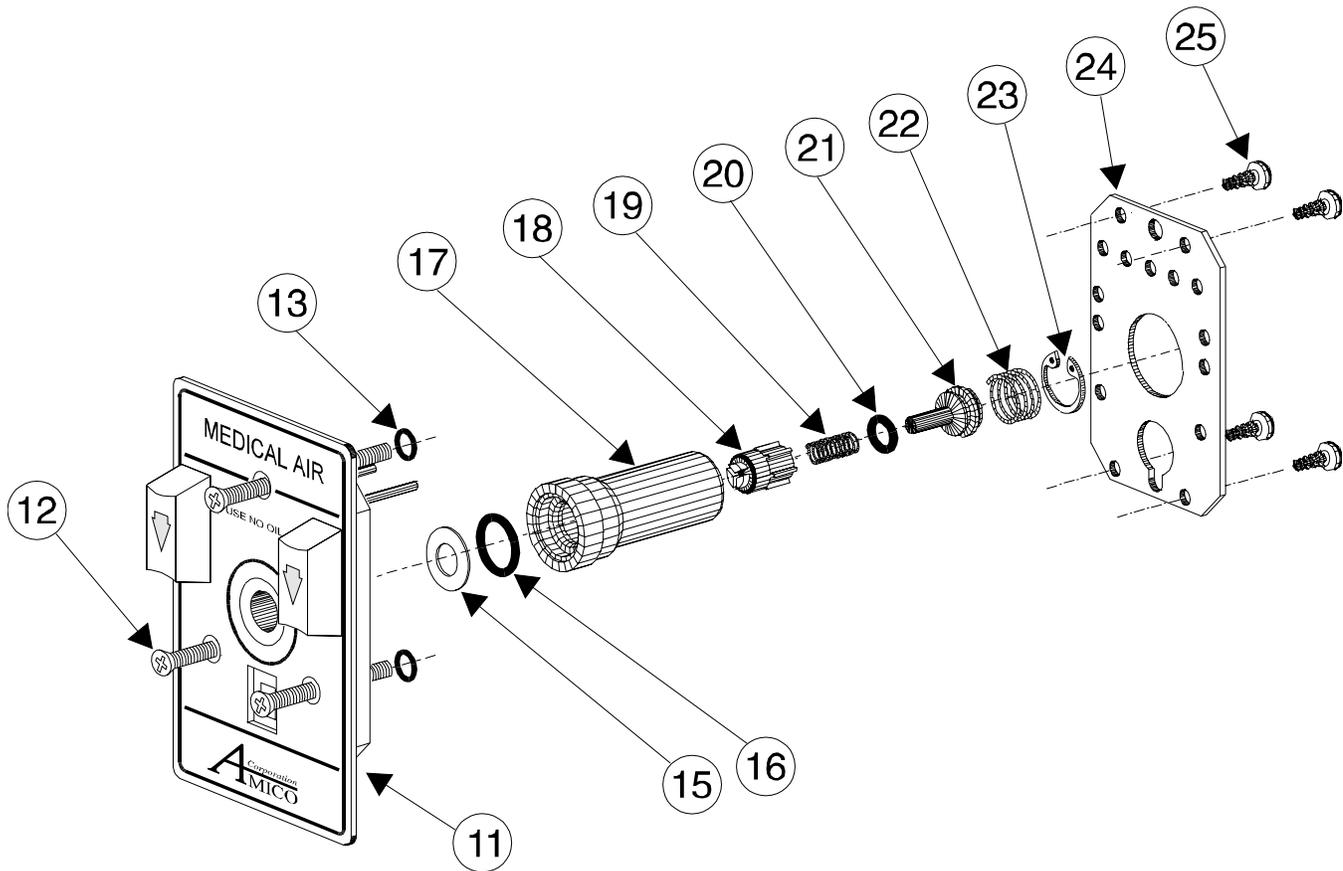
1. Unscrew the two retaining screws (12) until the Latch Valve Assembly (11) can be removed from the outlet.
2. Remove the O-Ring seal (16) from the front and replace (NOTE: There is no O-Ring for Oxygen).
3. Remove the retaining ring (23) using appropriate pliers. Remove the valve stem (17), O-Ring seal (20), primary check valve (21) and spring (22). Inspect the items for wear or damage and replace if needed. Replace the O-Ring (20).
4. Reinstall all internal components and lock in place with the retaining ring (23).
5. Reinstall the Latch Valve Assembly into the outlet. Coat the connector (15), with a thin coat of oxygen compatible silicone lubricant to aid insertion. Tighten down the retaining screws (12), DO NOT over tighten, as this could damage the Latch Valve.
6. Connect a gas specific adapter to the outlet. The connection should be smooth and hand tightening of the nut should be sufficient to allow the gas to flow without leakage. If not replace the entire Latch Valve Assembly (11).

## LATCH VALVE ASSEMBLY OHMEDA (COMPATIBLE).



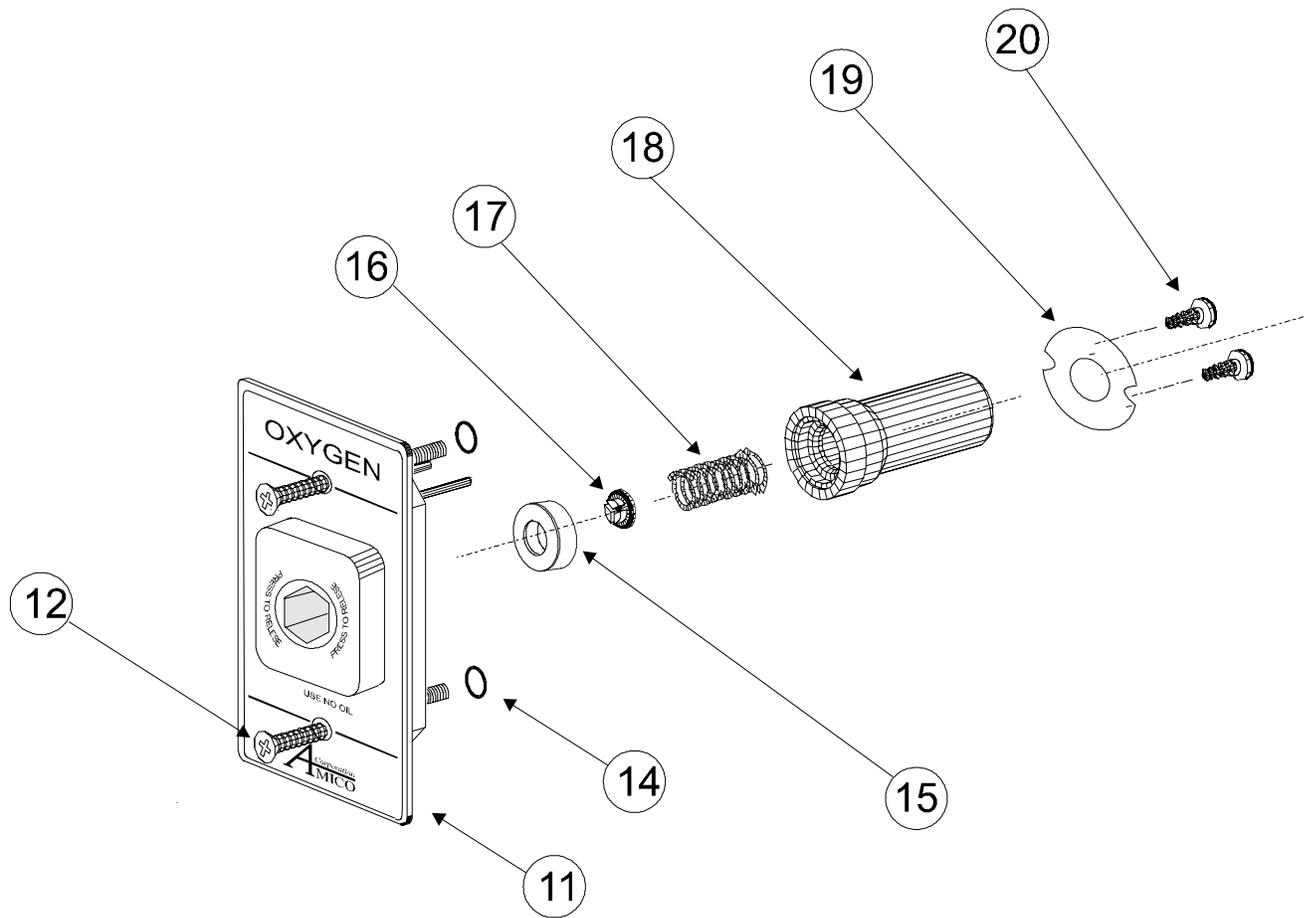
1. Unscrew the two retaining screws (12) until the Latch Valve Assembly (11) can be removed from the outlet.
2. Remove the four screws (25) holding the connector retaining plate (24) in place. Remove the plate.
3. Remove the connector (17) from the valve assembly.
4. Remove the U-spring (14), inspect for wear or damage, reinstall the U-spring.
5. Remove the flat washer (15) and connector O-Ring (16) from the front of the connector. Inspect the items for wear or damage and replace the O-Ring seal (16).
6. Remove the retaining ring (23) using appropriate pliers. Remove the dust cap (18), dust cap spring (19), O-Ring seal (20), primary check valve (21) and spring (22). Inspect the items for wear or damage and replace if needed. Replace the O-Ring (20).
7. Reinstall all internal components and lock in place with retaining ring (23). Insert the Connector (17) into the gas specific body. Check that the U-Spring (14), flat washer (15) and O-Ring (16) are in place. Reinstall the connector retaining plate (24) and secure with four screws (25), do not overtighten.
8. Reinstall the Latch Valve Assembly into the outlet. Coat the connector (17), with a thin coat of oxygen compatible silicone lubricant to aid insertion. Tighten down the retaining screws (12), DO NOT over tighten, as this could damage the Latch Valve.
9. Connect a gas specific adapter into the outlet. The connection should be smooth and the adapter should lock and remain in place allowing gas to flow. If not replace the entire Latch Valve Assembly (11).

## LATCH VALVE ASSEMBLY CHEMETRON (COMPATIBLE).



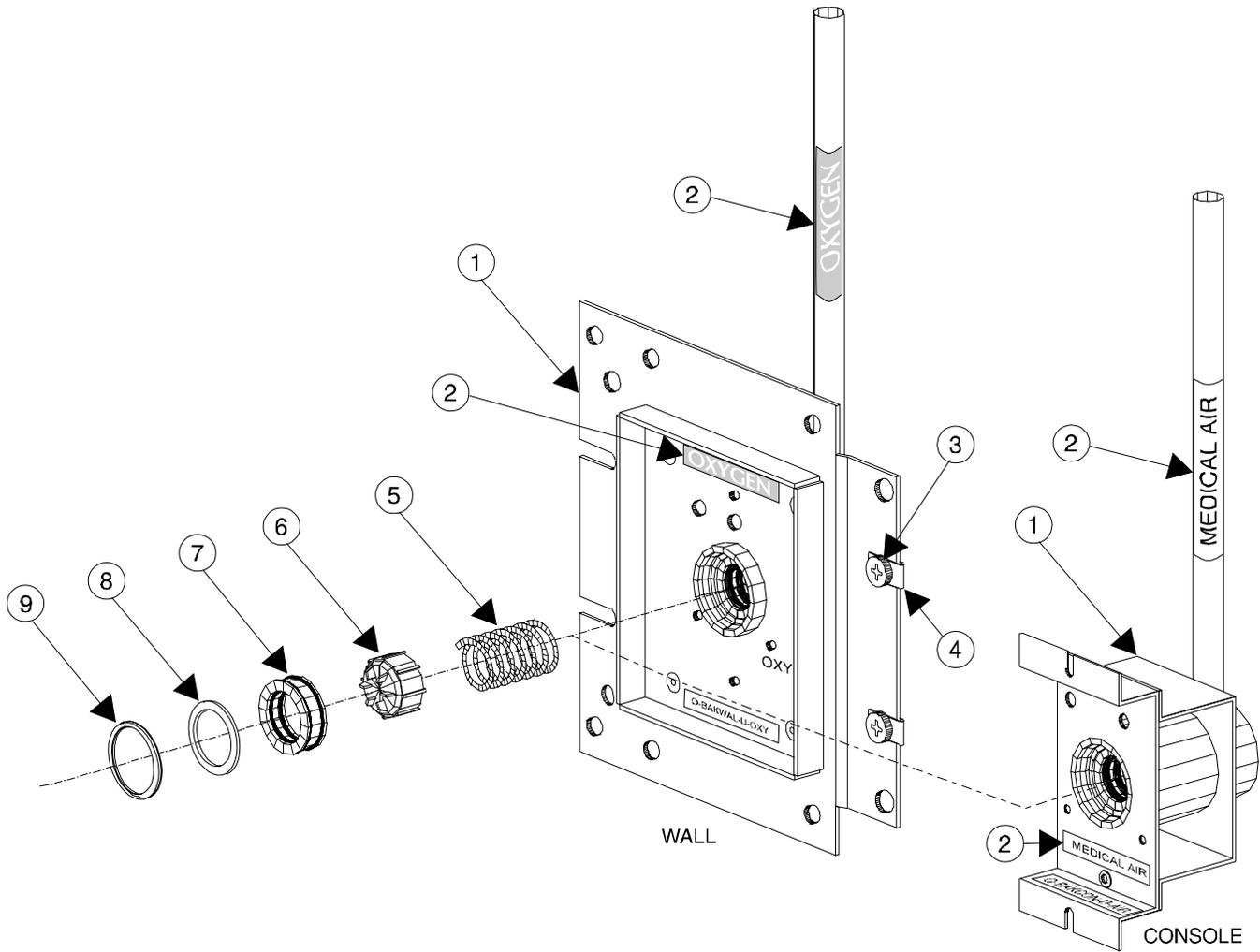
1. Unscrew the three retaining screws (12) until the Latch Valve Assembly (11) can be removed from the outlet.
2. Remove the four screws (25) holding the connector retaining plate (24) in place. Remove the plate.
3. Remove the connector (17) from the valve assembly.
4. Remove the flat washer (15) and connector O-Ring (16) from the front of the connector. Inspect the items for wear or damage and replace the O-Ring seal (16).
5. Remove the retaining ring (23) using appropriate pliers. Remove the dust cap (18), dust cap spring (19), O-Ring seal (20), primary check valve (21) and spring (22). Inspect the items for wear or damage and replace if needed. Replace the O-Ring (20).
7. Reinstall all internal components and lock in place with retaining ring (23). Insert the Connector (17) into the gas specific body. Check that the flat washer (15) and O-Ring (16) are in place. Reinstall the connector retaining plate (24) and secure with four screws (25), do not overtighten.
8. Reinstall the Latch Valve Assembly into the outlet. Coat the connector (17), with a thin coat of oxygen compatible silicone lubricant to aid insertion. Tighten down the retaining screws (12), DO NOT over tighten, as this could damage the Latch Valve.
9. Connect a gas specific adapter into the outlet. The connection should be smooth and the adapter should lock and remain in place allowing gas to flow. If not replace the entire Latch Valve Assembly (11).

# LATCH VALVE ASSEMBLY PURITAN-BENNETT (COMPATIBLE).



1. Unscrew the two retaining screws (12) until the Latch Valve Assembly (11) can be removed from the outlet.
2. Remove the two screws (20), holding the round retaining ring (19) in place. Remove the plate.
3. Remove the gas connector (18) from the valve assembly.
4. Remove the Body Seal (15) and Poppet(16) from the front of the Gas Connector (18). Inspect the items for wear or damage and replace the Body Seal (15).
5. Remove the Gas or Vacuum Spring (17), to inspect for wear or damage. Reinstall the Gas or Vacuum Spring.
6. Reinstall all internal components into the Gas Connector (18). Check that the Gas or Vacuum Spring (17), Body Seal (15) and Poppet (16) are in place. Reinstall the round retaining plate (19) and secure with two screws (20), do not overtighten.
7. Reinstall the Latch Valve Assembly into the outlet. Coat the connector (18) with a thin coat of oxygen compatible silicone lubricant to aid insertion. Tighten down the retaining screws (12), DO NOT over tighten, as this could damage the Latch Valve.
8. Connect a gas specific adapter into the outlet. The connection should be smooth and the adapter should lock and remain in place allowing gas to flow. If not replace the entire Latch Valve Assembly (11).

# ROUGH-IN ASSEMBLY WALL AND CONSOLE.



**CAUTION: Ensure that the supply pressure is shut off before performing service.**

Inside the “Rough-in assembly” is a secondary check valve whose function is to shut off gas flow when the “Latch-valve assembly” is removed. This seat/seal also prevents leak around the latch valve connector. As the secondary seal is only a static seal, it will rarely need replacement. However, if the seat/seal does needs replacement follow the following procedure:

1. Ensure that no pressure exists in the adapter by depressing the secondary check valve (6).
2. Remove the retaining ring (9) from the inside of the outlet body. Use a small screwdriver to pull the end of the ring towards the center and then pull the ring up and out.
3. Remove the washer (8), seat/seal (7), secondary check valve (6) and secondary check valve spring (5). Inspect items for wear or damage and replace the seat/seal (7).
4. Reinstall the spring (5), secondary check valve (6), seat/seal (7) and the washer (8). Insert the retaining ring (9) into the slot and ensure that the whole ring is seated properly.
5. Turn on the pressure and check for leaks. Reinstall the “Rough-in assembly” and perform the inspection and test on page 2.

# Model Numbers

## Latch-valve assemblies

### Gas Service

DISS Wall	English USA	English ISO	French ISO
<b>Latch-valve assembly:</b>			
Oxygen	O-FASW-DI-U-OXY	O-FASW-DI-E-OXY	O-FASW-DI-F-OXY
Medical Air	O-FASW-DI-U-AIR	O-FASW-DI-E-AIR	O-FASW-DI-F-AIR
Vacuum	O-FASW-DI-U-VAC	O-FASW-DI-E-VAC	O-FASW-DI-F-VAC
Nitrous Oxide	O-FASW-DI-E-N2O	O-FASW-DI-E-N2O	O-FASW-DI-F-N2O
Nitrogen	O-FASW-DI-E-NIT	O-FASW-DI-E-NIT	O-FASW-DI-F-NIT
Carbon Dioxide	O-FASW-DI-E-CO2	O-FASW-DI-E-CO2	O-FASW-DI-F-CO2
Evacuation	O-FASW-DI-E-EVA	O-FASW-DI-E-EVA	O-FASW-DI-E-EVA

**NOTE: Evacuation is always English "ISO".**

#### DISS Console Latch-Valve:

For DISS Console Latch-Valve replace the “W” in the O-FASW-DI-L-GAS to “C”.

For example USA DISS Oxygen = **O-FASC-DI-U-OXY**

#### Ohmeda compatible Wall Latch-Valve:

For Ohmeda compatible Wall Latch-Valve replace the “DI” in the O-FASW-DI-L-GAS to “QD”.

For example USA Ohmeda Vacuum = **O-FASW-QD-U-VAC**

#### Ohmeda compatible Console Latch-Valve:

For Ohmeda compatible Console Latch-Valve replace the “W” in the O-FASW-QD-L-GAS to “C”.

For example USA Oxygen = **O-FASC-QD-U-OXY**

#### Chemetron compatible Latch-Valve:

For Chemetron compatible Wall Latch-Valve replace the “DI” in the O-FASW-DI-L-GAS to “CH”.

For example Chemetron USA Vacuum = **O-FASW-CH-U-VAC**

#### Chemetron compatible Console Latch-Valve:

For Chemetron compatible Console Latch-Valve replace the “W” in the O-FASW-CH-L-GAS to “C”.

For example Chemetron USA Oxygen = **O-FASC-CH-U-OXY**

#### Puritan-Bennett compatible Latch-Valve:

For Puritan-Bennett compatible Wall Latch-Valve replace the “DI” in the O-FASW-DI-L-GAS to “PB”.

For example Puritan-Bennett USA Vacuum = **O-FASW-PB-U-VAC**

#### Puritan-Bennett compatible Console Latch-Valve:

For Puritan-Bennett compatible Console Latch-Valve replace the “W” in the O-FASW-PB-L-GAS to “C”.

For example Puritan-Bennett USA Oxygen = **O-FASC-PB-U-OXY**

# MODEL NUMBERS

## Rough-In assemblies

Gas Service	English USA	English ISO	French ISO
<b>Wall Rough-In:</b>			
Oxygen	O-BAKW-U-OXY	O-BAKW-E-OXY	O-BAKW-E-OXY
Medical Air	O-BAKW-U-AIR	O-BAKW-E-AIR	O-BAKW-E-AIR
Vacuum	O-BAKW-U-VAC	O-BAKW-E-VAC	O-BAKW-E-VAC
Nitrous Oxide	O-BAKW-E-N2O	O-BAKW-E-N2O	O-BAKW-E-N2O
Nitrogen	O-BAKW-E-NIT	O-BAKW-E-NIT	O-BAKW-E-NIT
Carbon Dioxide	O-BAKW-E-CO2	O-BAKW-E-CO2	O-BAKW-E-CO2
Evacuation	O-BAKW-E-EVA	O-BAKW-E-EVA	O-BAKW-E-EVA

**NOTE: Evacuation is always English "ISO".**  
**All French Rough-In assemblies are English "ISO".**

### Console Rough-In:

For Console Rough-in replace the "W" in the O-BAKW-L-GAS to "CON".

For example USA Oxygen = **O-BAKCON-U-OXY**

### Ceiling Rough-In:

For Ceiling Rough-in replace the "W" in the O-BAKW-L-GAS to "CEI".

For example USA Nitrogen = **O-BAKCEI-E-NIT**

### Ceiling column Rough-In:

For Ceiling column Rough-in replace the "W" in the O-BAKW-L-GAS to "CCOL".

For example USA Nitrous Oxide = **O-BAKCCOL-E-N2O**

# MODEL NUMBERS

## Complete Outlets

Gas Service	English USA	English ISO	French ISO	
<b>DISS Wall:</b>				
Oxygen	O-DISWAL-U-OXY	O-DISWAL-E-OXY	O-DISWAL-F-OXY	
Medical Air	O-DISWAL-U-AIR	O-DISWAL-E-AIR	O-DISWAL-F-AIR	
Vacuum	O-DISWAL-U-VAC	O-DISWAL-E-VAC	O-DISWAL-F-VAC	
Nitrous Oxide	O-DISWAL-E-N2O	O-DISWAL-E-N2O	O-DISWAL-F-N2O	
Nitrogen	O-DISWAL-E-NIT	O-DISWAL-E-NIT	O-DISWAL-F-NIT	<i>DISS only</i>
Carbon Dioxide	O-DISWAL-E-CO2	O-DISWAL-E-CO2	O-DISWAL-F-CO2	<i>DISS only</i>
Evacuation	O-DISWAL-E-EVA	O-DISWAL-E-EVA	O-DISWAL-E-EVA	

**NOTE: Evacuation is always English "ISO".**

### DISS Console Outlet:

For DISS Console outlet replace the “WAL” in the O-DISWAL-L-GAS to “CON”.  
For example DISS Console USA Nitrogen = **O-DISCON-E-NIT**

### DISS Ceiling Outlet:

For DISS Ceiling outlet replace the “WAL” in the O-DISWAL-L-GAS to “CEI”.  
For example DISS Ceiling USA Nitrogen = **O-DISCEI-E-NIT**

### DISS Ceiling Column Outlet:

For DISS Ceiling Column outlet replace the “WAL” in the O-DISWAL-L-GAS to “CCOL”.  
For example DISS Ceiling Column USA Vacuum = **O-DISCCOL-U-VAC**

### Ohmeda compatible Outlet:

For Ohmeda compatible outlet replace the “DIS” in any of the above examples, O-DISWAL-L-GAS to “QD”.  
For example Ohmeda compatible Wall USA Oxygen = **O-QDWAL-U-OXY**

### Chemetron compatible Outlet:

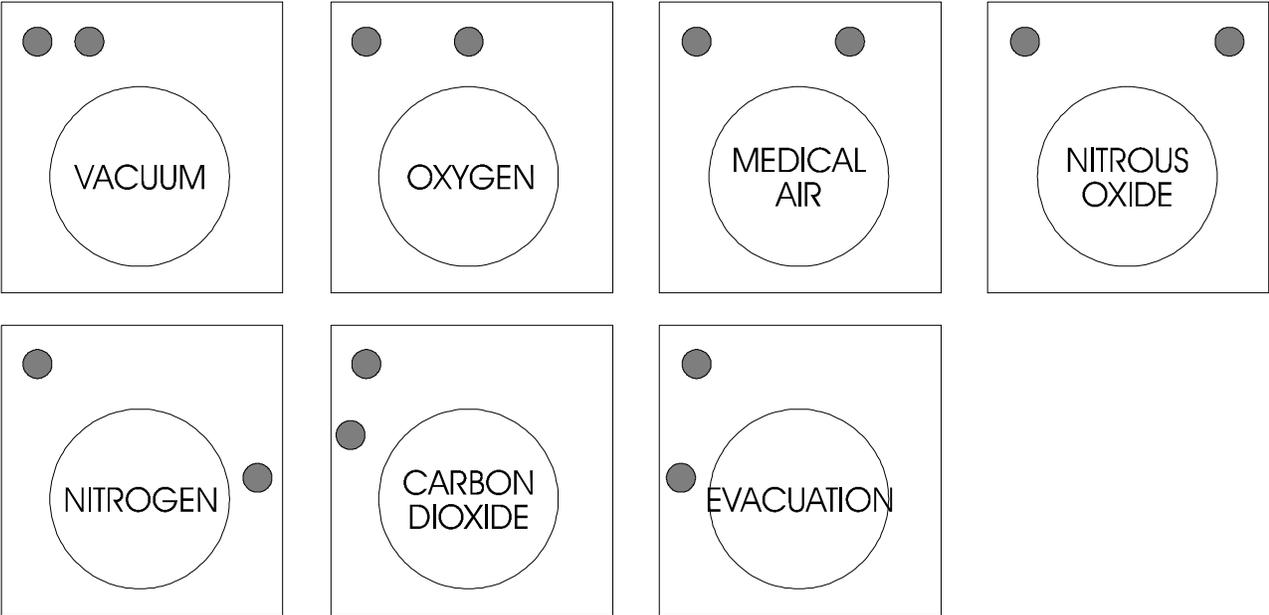
For Chemetron compatible outlet replace the “DIS” in any of the above examples, O-DISWAL-L-GAS to “CH”.  
For example Chemetron compatible Console USA Oxygen = **O-CHCON-U-OXY**

### Puritan-Bennett compatible Outlet:

For Puritan-Bennett compatible outlet replace the “DIS” in any of the above examples, O-DISWAL-L-GAS to “PB”.  
For example Puritan-Bennett compatible Console USA Oxygen = **O-PBCON-U-OXY**

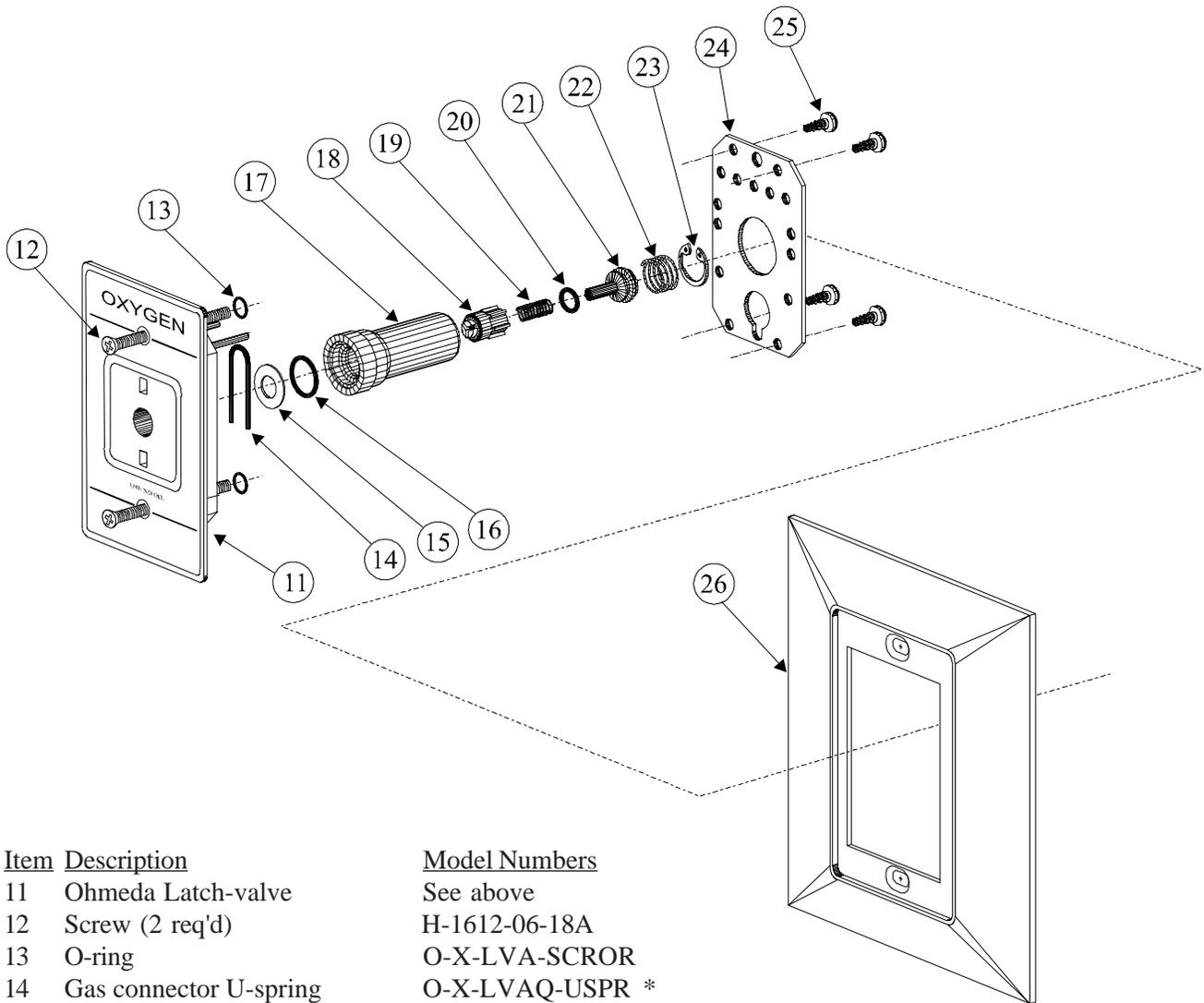
# GAS INDEXING

As seen from the front of the "Rough-in assemblies"



# REPLACEMENT COMPONENTS - LATCH VALVE ASSEMBLIES

## OHMEDA COMPATIBLE



Item Description

11 Ohmeda Latch-valve

12 Screw (2 req'd)

13 O-ring

14 Gas connector U-spring

15 Flat washer

16 Gas connector O-ring

17 Gas connector

18 Primary dust cap

19 Primary dust cap spring

20 Primary check valve O-Ring

21 Primary check valve

22a Primary check valve spring

22b Primary check valve spring-Vac *O-X-LVA-PRSPR only for Vacuum and Evacuation \**

23 C-Clip primary check valve

24 Connector retaining plate

25 Retaining plate screws (4 req'd)

26 Chromed face plate

Model Numbers

See above

H-1612-06-18A

O-X-LVA-SCROR

O-X-LVAQ-USPR \*

H-WASH-625-SS \*

O-X-LVAQ-ORING \*

O-X-LVAQ-BDY

O-X-LVA-CAP \*

O-X-LVA-CAPSPR \*

O-X-LVA-CHORI \*

O-X-LVA-CHECK \*

O-X-LVA-POPSPR \*

O-X-LVA-CLIP \*

O-X-LVA-PLATE

H-PTPP-0606

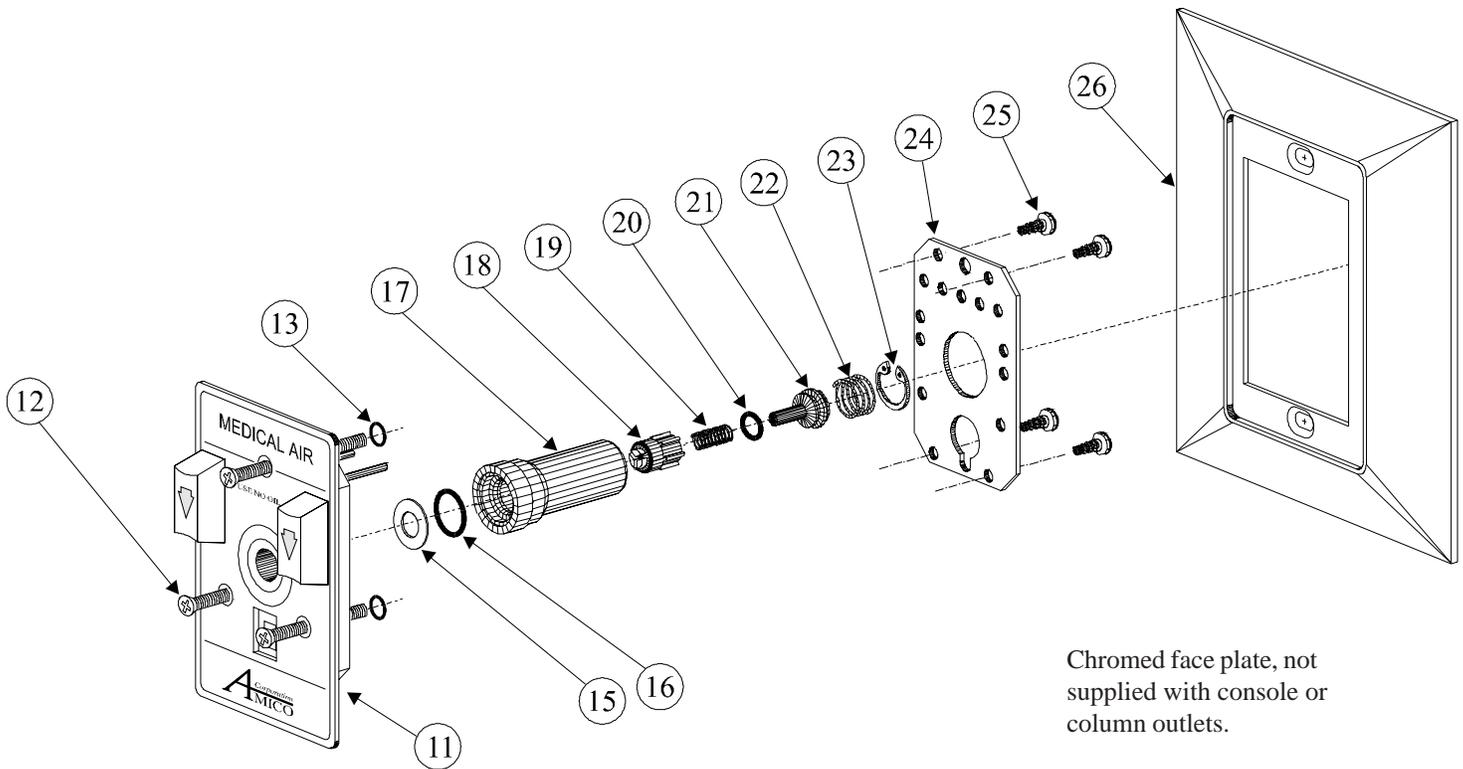
O-X-LVA-CHR-MET

Chromed face plate, not supplied with console or column outlets.

Above parts with an "\*" are found in repair kit: **O-RK-LVA-QD**

# REPLACEMENT COMPONENTS - LATCH VALVE ASSEMBLIES

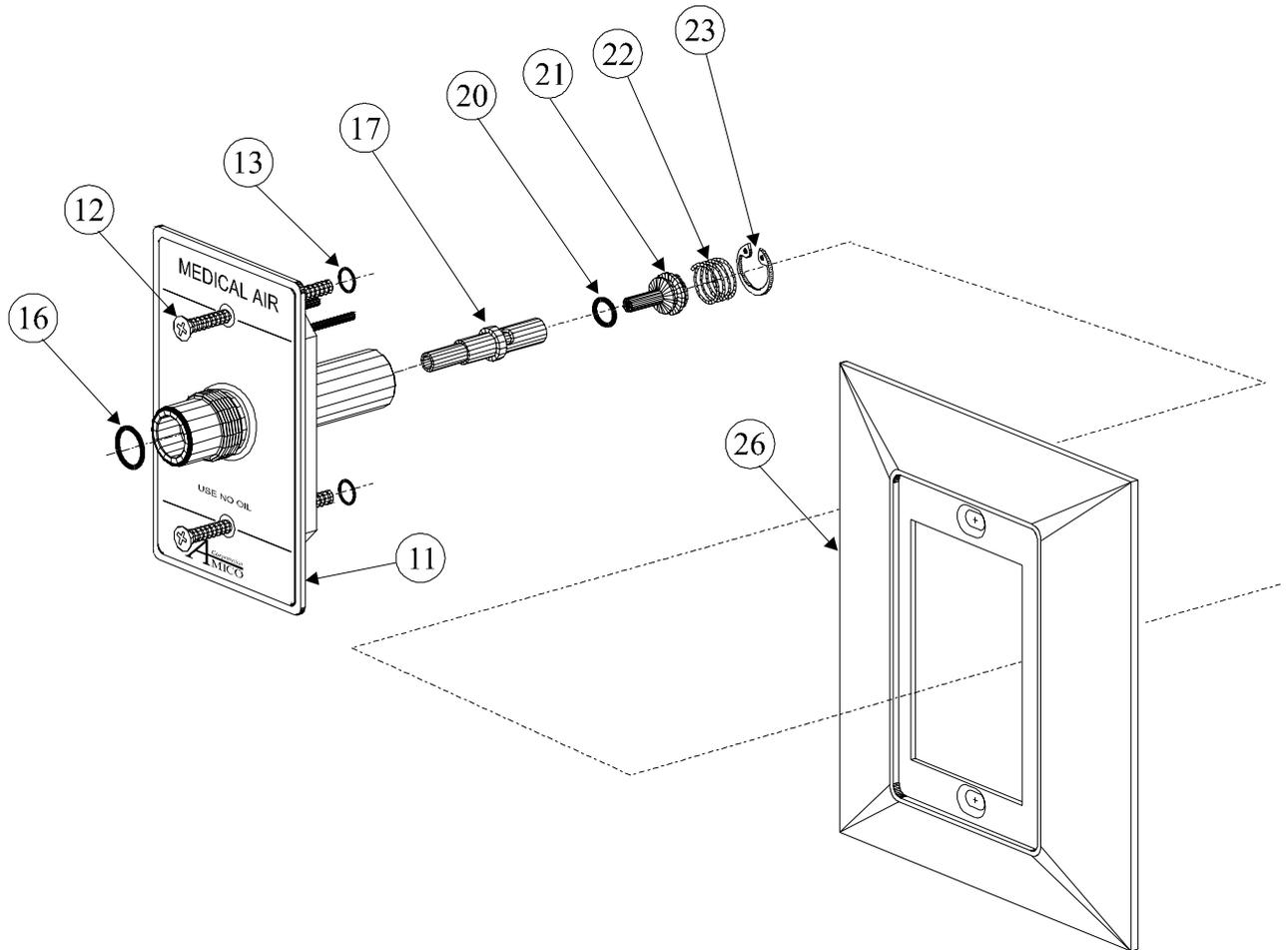
## CHEMETRON COMPATIBLE



<u>Item</u>	<u>Description</u>	<u>Model Numbers</u>
11	Chemetron Latch-valve	See above
12	Screw (3 req'd)	H-1612-06-18A
13	O-ring	O-X-LVA-SCROR
15	Flat washer	H-WASH-625-SS *
16	Gas connector O-ring	O-X-LVAQ-ORING *
17	Gas connector	O-X-LVAQ-BDY
18	Primary dust cap	O-X-LVA-CAP *
19	Primary dust cap spring	O-X-LVA-CAPSPR *
20	Primary check valve O-Ring	O-X-LVA-CHORI *
21	Primary check valve	O-X-LVA-CHECK *
22a	Primary check valve spring	O-X-LVA-POPSPR *
22b	Primary check valve spring-Vac	O-X-LVA-PRSPR *
23	C-Clip primary check valve	O-X-LVA-CLIP *
24	Connector retaining plate	O-X-LVA-PLATE
25	Retaining plate screws (4 req'd)	H-PTPP-0606
26	Chromed face plate	O-X-LVA-CHR-MET

Above parts with an "\*" are found in repair kit: **O-RK-LVA-QD**

# REPLACEMENT COMPONENTS - LATCH VALVE ASSEMBLIES - DISS

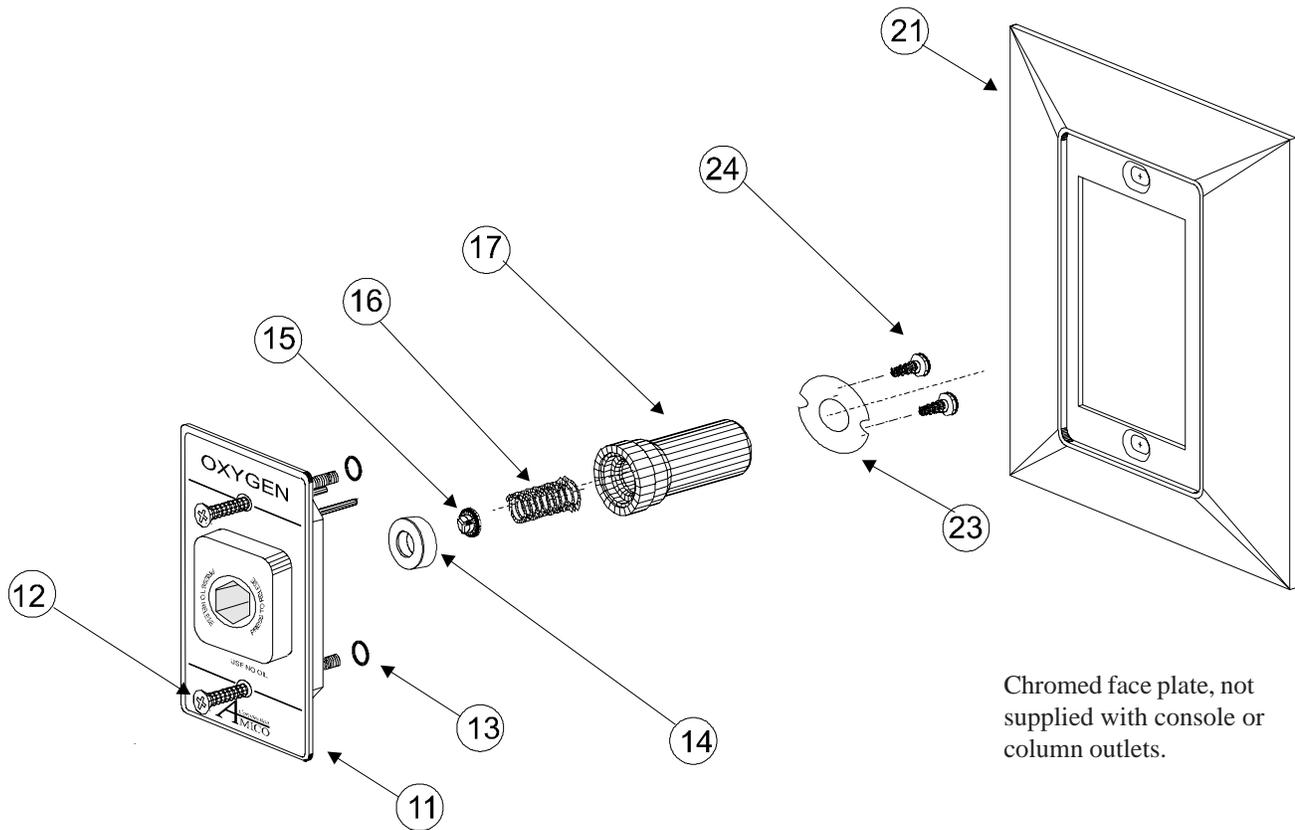


<u>Item</u>	<u>Description</u>	<u>Model Number</u>
11	DISS Latch-valve	See above
12	Screw 6-32*1-3/4" (2 req'd)	H-1612-06-18A
13	Screw holder O-ring	O-X-LVA-SCROR
16a	Adapter O-ring Air/Nit/CO2	O-X-LVAD-OR-012 *
16b	Adapter O-ring Vac	O-X-LVAD-OR-102 *
16c	Adapter O-ring N2O	O-X-LVA-CHORI *
17a	Valve stem DISS Gas	O-X-LVAD-ST-OTH
17b	Valve stem DISS Oxygen	O-X-LVAD-ST-OXY
17c	Valve stem DISS Vac&Eva	O-X-LVAD-ST-VAC
20	Primary check valve O-Ring	O-X-LVA-CHORI *
21	Primary check valve	O-X-LVA-CHECK *
22	Primary check valve spring	O-X-LVA-PRSPR *
23	C-Clip primary check valve	O-X-LVA-CLIP *
26	Chromed face plate	O-X-LVA-CHR-MET

Chromed face plate, not supplied with console or column outlets.

Above parts with an "\*" are found in repair kit: **O-RK-LVA-DIS**

# REPLACEMENT COMPONENTS - LATCH VALVE ASSEMBLIES PURITAN-BENNETT COMPATIBLE

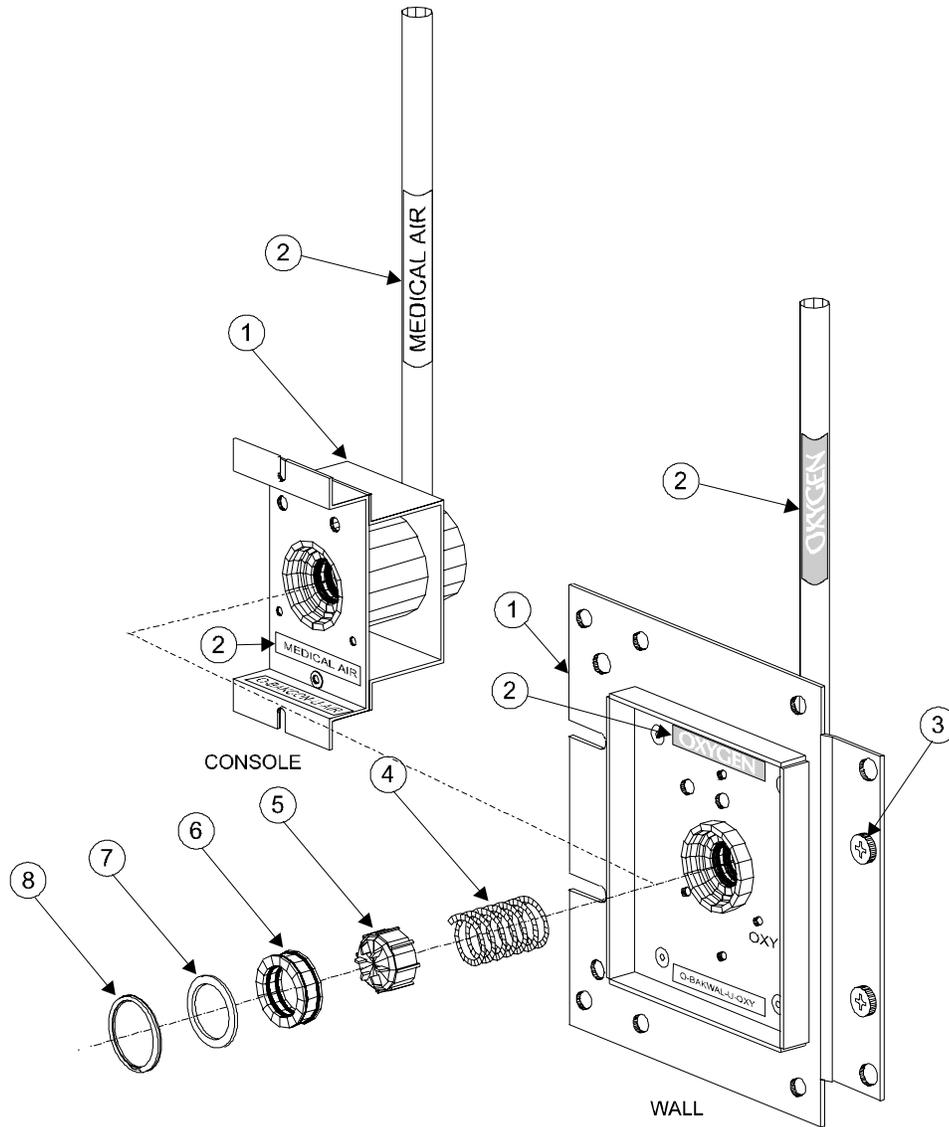


Chromed face plate, not supplied with console or column outlets.

<u>Item</u>	<u>Description</u>	<u>Model Numbers</u>
11	Puritan-Bennette Latch-valve	See above
12	Mounting Screw (2 req'd)	H-1612-06-18A
13	O-ring	O-X-LVA-SCROR
14	Body Seal	O-X-LVAPB-SEAL *
15	Poppet for Body	O-X-LVAPB-POPET *
16a	Spring for all Gases (except Vac.)	O-X-LVAPB-SPGAS *
16b	Spring for Vacuum	O-X-LVAPB-SPVAC *
17	Gas connector	O-X-LVAPB-BDY
21	Chromed face plate	O-X-LVA-CHR-MET
23	Retaining Ring	O-X-LVAPB-WASH
24	Retaining Ring screws (6 req'd)	H-PTPP-0606

Above parts with an "\*" are found in repair kit: **O-RK-LVA-PB**

# REPLACEMENT COMPONENTS - ROUGH-IN ASSEMBLIES



<u>Item</u>	<u>Description</u>	<u>Model Number</u>
1	Rough-In assembly	See above
2	Gas label	O-X-PLBL-L-GAS
3	Screw (2 req'd)	H-MPP-1008
4	Secondary check valve spring	O-X-BAK-SPRING *
5	Secondary check valve	O-X-BAK-CHECK *
6	Seat/Seal	O-X-BAK-SEAT *
7	Washer	H-WASH-895-SS *
8	Retaining ring	O-X-BAK-RETAIN *

Above parts with an "\*" are found in repair kit: **O-RK-BAK**

D I S T R I B U T E D   B Y :

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