

NATIONAL AEROSPACE SUPPLY CO.

33155 CAMINO CAPISTRANO • UNIT C • SAN JUAN CAPISTRANO, CA 92675
PHONE: (949) 240-6353 • FAX: (949) 248-5655

NAV-2 VACUUM VALVE V-2

DESCRIPTION

Vacuum Valve NAV-2 is a two piece vacuum assembly manufactured from 6061 T6 aluminum. The base plate can be supplied in aluminum or M1020 steel. The rubber gasket is designed for easy replacement. All commonly used disconnects can be used with NAV-2 valve.

NAV-2 Aluminum base 1/4" MPT

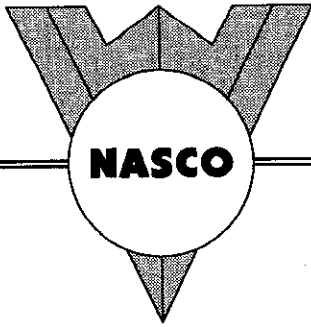
APPLICATIONS

This valve is designed for use with all composite plastic or metal-bond lay ups where vacuum and high pressure, combined with high temperatures, are essential.

DIRECTIONS FOR USE

Place base or valve under vacuum bag. Cut slit in bag approximately 3/4" long. Place pressure plate on outside of bag. Twist lock to base plate.

Note: Information herein is believed to be correct based upon laboratory tests. No warranty of any kind is made except that materials supplied are standard quality. All risk and liability arising from handling, storage, and use of these products, as well as compliance with applicable legal restrictions, rests with the buyer. Buyer's remedy is limited to return and replacement of goods found to be defective due to manufacturer.



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NAV-3 VACUUM VALVE V-3

DESCRIPTION

Vacuum valve NAV-3 is manufactured from 6061 T6 Aluminum with a M1020 steel knurled fastening nut and ¼" MPT. This valve incorporates improved features over existing valves.

The 2-¾ diameter base has channels fully to the edge of the base eliminating possible seal off and insuring good air evacuation without tipping over during use. The sturdy pressure plate is locked by means of a steel pin and slot to prevent bag twisting. A positive seal can be accomplished with finger tight pressure applied to the steel nut.

All commonly used quick disconnects can be used with NAV-3 valve.

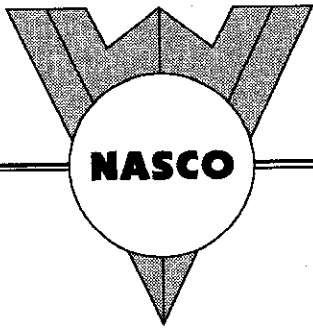
APPLICATIONS

This valve is designed for use with all composite, plastic or metal-bond lay ups, where vacuum and high pressure combined with high temperatures are essential.

DIRECTIONS FOR USE

Place base of valve with silicone rubber gasket under bagging film. Cut slit in bagging film and place over valve stem. Cross cut slit approximately ¾". Install pressure plate, making sure notch lines up with the pin. Screw down steel nut tightly with finger pressure only.

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OH-50 **450° F Material** **Autoclave Hose**

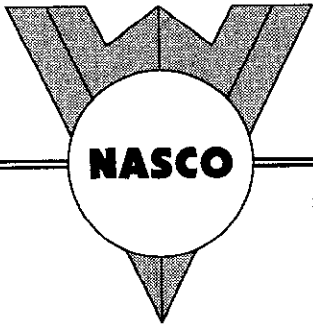
DESCRIPTION

OH-50 hose is a high temperature, silicon rubber over a flexible steel tube assembly with hex male pipe threads on each end.

PHYSICAL PROPERTIES

| | |
|--------------------------------------------------------------|---------------------|
| Withstands | 450° F at 200 psi |
| Long life | |
| Does not have bag-puncturing "whiskers" as braided hoses do. | |
| Maximum temperature: | 450° F |
| Maximum pressure: | 200 psi |
| Hose ID: | 1/4", 3/8", 3/4" OD |
| Length: | As required |

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QD-14 QUICK DISCONNECT

DESCRIPTION

QD-14 two-way disconnect positively seals both ends of the line when the coupling is disconnected. Spring actuated valves in both the socket and the plug provide an immediate and positive seal.

When connected, a complete seal is effected by the compression of the high temperature o-ring.

PHYSICAL PROPERTIES

O-ring seal 500 degree F

¼" standard pipe threads

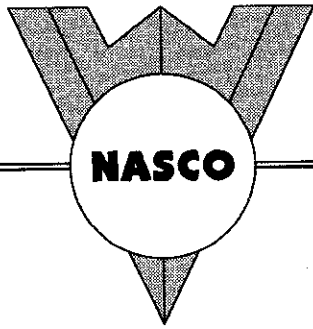
Positive seal

Fits both our hose (ACH-1000) and Vacuum valves (V-2 & V-3)

QD-14 Standard cad plated steel

QD-14S Stainless steel

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VACUUM PUMP MODEL 250B REGULATOR WITH GAUGE AND MUFFLER INCLUDED

DESCRIPTION

| | |
|---------------------------------------------|-----------------------------------------------------------|
| Compressed Air Consumption (c.f.m.) | 8.8 |
| Maximum Vacuum (inches HG) | 27 |
| Maximum Airflow at "0" Load (c.f.m.) | 23 |
| Suction Port Connection Dimensions (inches) | $\frac{3}{4}$ |
| Body Dimensions (inches) | $7 \frac{1}{2} \times 2 \frac{1}{4} \times 3 \frac{1}{2}$ |

The vacuum pump that is everything but conventional

All conventional vacuum pumps are driven by electricity.

Most vacuum pumps are driven by an electric motor that created a relatively high sound level and generates undesired heat. These disadvantages are of some significance as the pumps usually run continuously from morning to night. With a great many fast moving parts the service requirements are rather large.

The 250B vacuum pump is driven by compressed air - economical!

Industries using our vacuum pump are spared all the "classical" vacuum pump problems. The 250B pump is driven by compressed air. It is not noisy, does not generate heat, and therefore, the surrounding environment is improved. The workplace is more comfortable and the operation altogether more sensible. The use of compressed air is extremely economical as it is only used when the vacuum is applied. The fast reaction to the compressed air power supply avoids the need for a vacuum pump to be running all the time.

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