

ENGINEERING COMMUNIQUE



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GET, GPD-EMMERITUS, FASPE

**Did you
wash them?**



Hand washing prevents disease.



TOPICS:

- **HAND WASHING PROJECT**
- **JAY R. SMITH'S 'INSTA-DRAIN' CLEANOUT ADAPTER PLUG**

JAY R. SMITH'S 'HAND WASHING PROJECT'

Washing your hands correctly is the most effective thing you can do to protect yourself against a number of infectious diseases, such as influenza, the common cold and Covid-19. Not only will it help keep you healthy, it will help prevent the spread of infectious diseases to others.

Much discussion has taken place among the various trades/industries regarding handwashing requirements. The most logical approach is portable hand washing stations located at specific intervals.

Acorn has a variety of portable hand washing sinks with several different options for water supply,

waste hose, foot pump, and mini tank water heater. Whatever your requirement, Acorn has the unit. Several portable models have a 3/4" hose connection.

When draining the stations with a 3/4" waste hose connection, the question will be where to discharge the waste hose. If near a floor drain and located in an isolated, non-traffic area, a funnel with a 3/4" hose connection can be added to the grate. This funnel is figure number 3591-NS and has a 3/4" hose connection in the side to avoid hanging the waste hose over the top of the funnel. The threaded hose inlet provides a secure connection.

If located in an area where there is no adjacent drainage such as a floor drain, simply look for the nearest cleanout. How to identify the cleanout? Cleanouts are generally round, but may also be square. It is common for cleanouts to be located either in the center of corridors or along the corridor wall. Look for the 'CO' on the cover and Smith in the diamond.

How do you connect to a cleanout? Identify the cleanout and if a Smith cleanout, remove the cover, remove the plug and replace with the Insta-Drain adapter. The adapter is designed to convert Smith's cleanouts to accommodate drainage from the portable sinks and are available in either gasket seal figure number 4001P-NS-N15, or NPT figure number 4003P-4NS-N15. Both adapters are bronze. If the hand washing requirements change, no need to replace the plug but install a closure plug for sealing the 1-1/2" threaded waste connection.



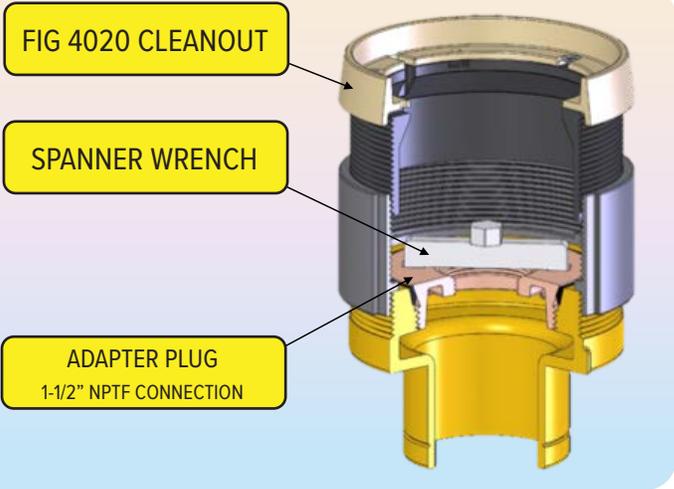
The piping between the sink's waste hose outlet and the adapter plug is provided by the installer or others. Refer to the following illustrations as suggestions for connecting the waste piping.

The cleanout drainage connections and vent requirements must be reviewed and approved by the local code officials.

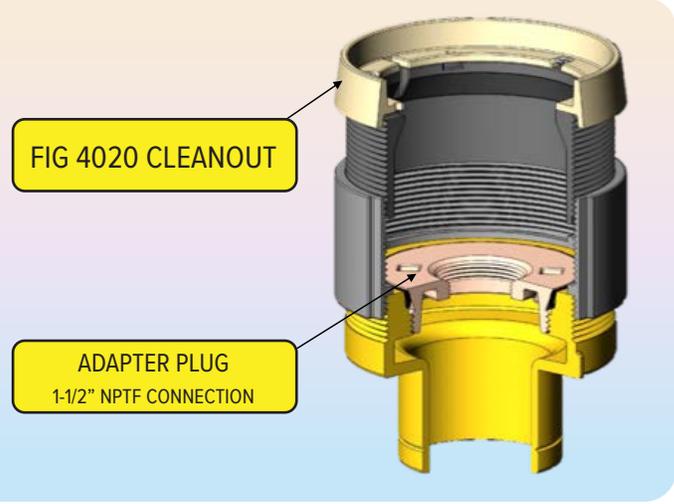
NEXT UP...

**CLEANOUT CONNECTIONS ILLUSTRATIONS,
4001P-NS-N15/4003-4NS-N15, & 3580/3581/3590/3591
SUBMITTALS**

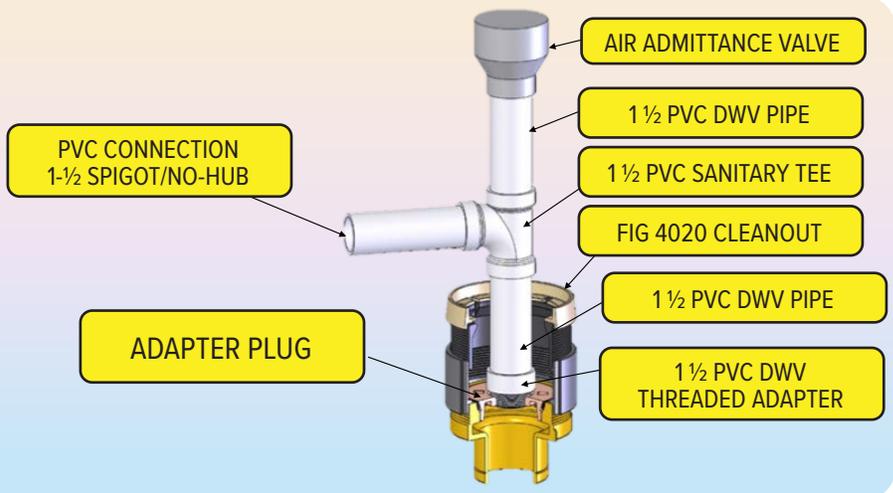
CLEANOUT ADAPTER PLUG (WITH SPANNER WRENCH)



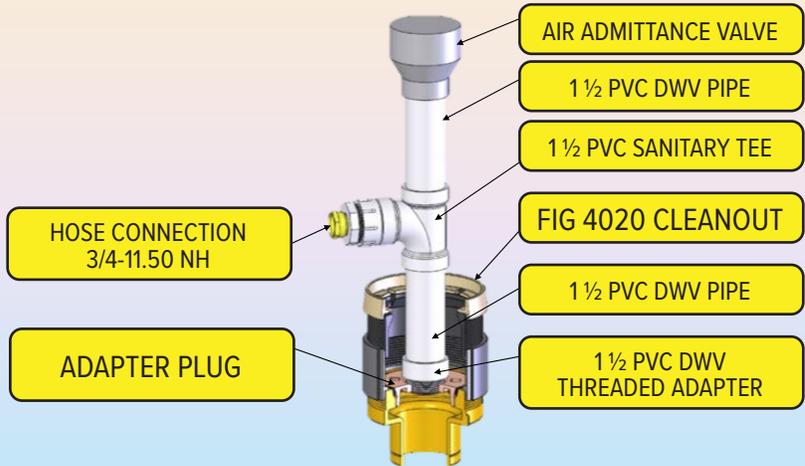
CLEANOUT ADAPTER PLUG



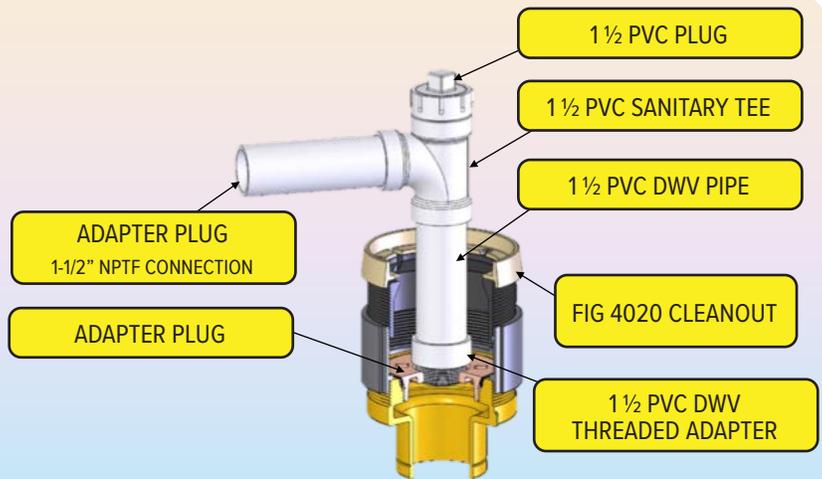
CLEANOUT CONNECTION (VENTED – SPIGOT/NO-HUB)



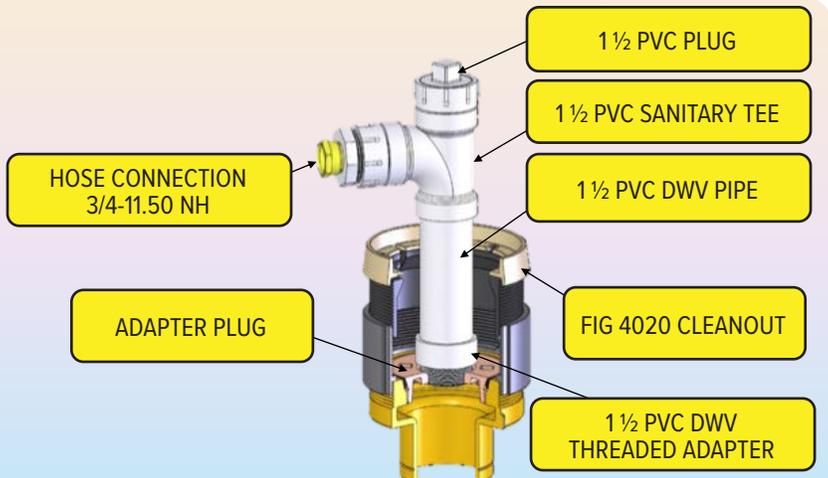
CLEANOUT CONNECTION
(VENTED – 3/4" HOSE)



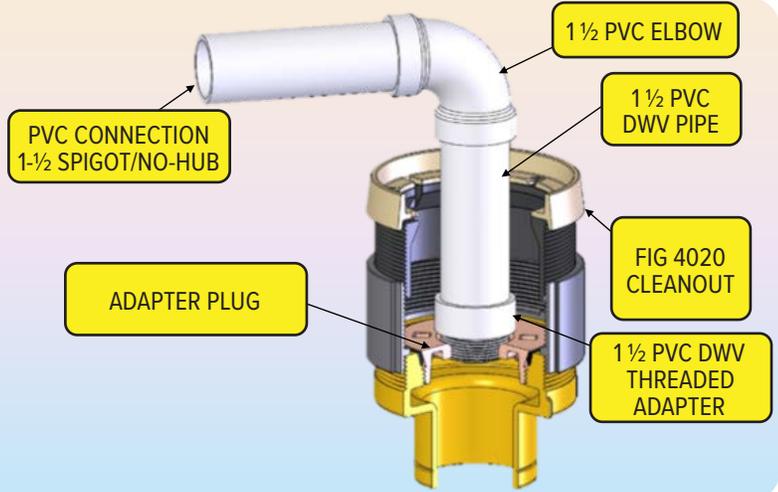
CLEANOUT CONNECTION
(UN-VENTED – SPIGOT/NO-HUB)



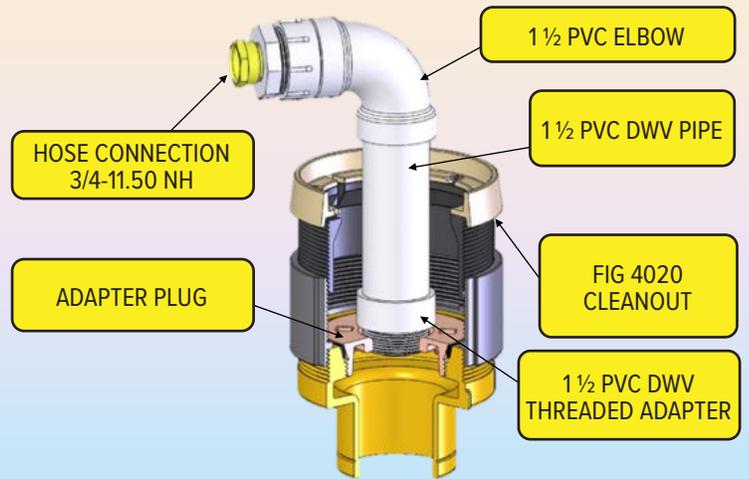
CLEANOUT CONNECTION
(UN-VENTED – 3/4" HOSE)



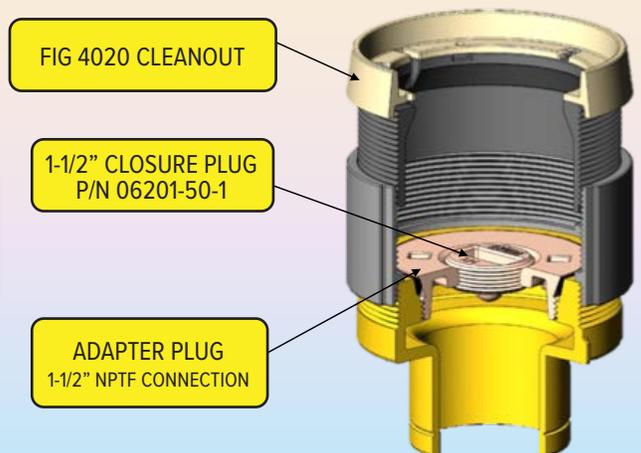
CLEANOUT CONNECTION
(UN-VENTED – SPIGOT/NO-HUB)



CLEANOUT CONNECTION
(UN-VENTED – 3/4" HOSE)



CLEANOUT ADAPTER PLUG
(WITH CLOSURE PLUG)





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 MONTGOMERY, ALABAMA 36109-0237 (USA)
 TEL: 334-277-8520 FAX: 888-377-7818 www.jrsmith.com



MEMBER OF:

LOCATION

DRAWING NUMBER
s4001P-NS-N15

SIZE
A

SCALE:
NONE

DATE:
8-11-2020

APPROVED BY:
CL

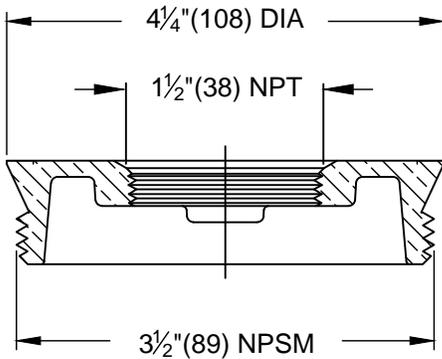
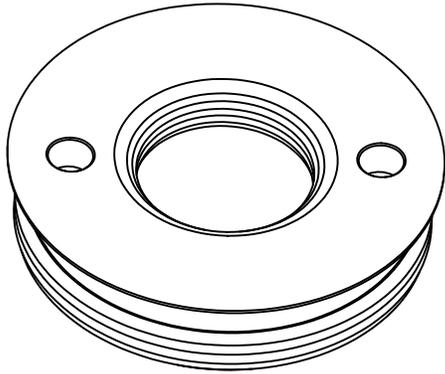
CHECKED BY:
CL

DRAWN BY:
MW

4001P-NS-N15
4003P-4NS-N15

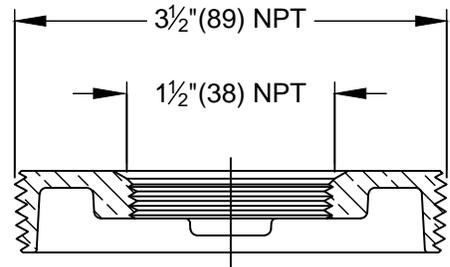
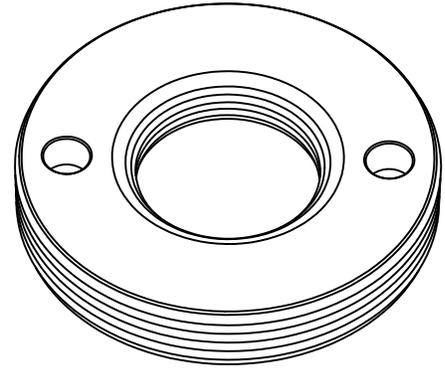
WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

SPECIAL CLEANOUT ADAPTOR PLUG



GASKET SEAL

Fig. 4001P-NS-N15



TAPER THREAD SEAL

Fig. 4003P-4NS-N15

REGULARLY FURNISHED:
 Bronze Plug with 1-1/2" (89) NPT Tapping

FIGURE NUMBER	REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 4001P-NS-N15 4003P-4NS-N15



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

FUNNEL ASSEMBLIES

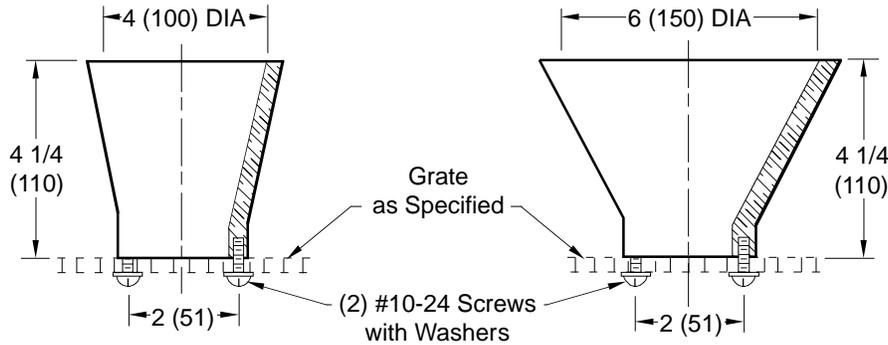


Fig. 3580

Fig. 3581

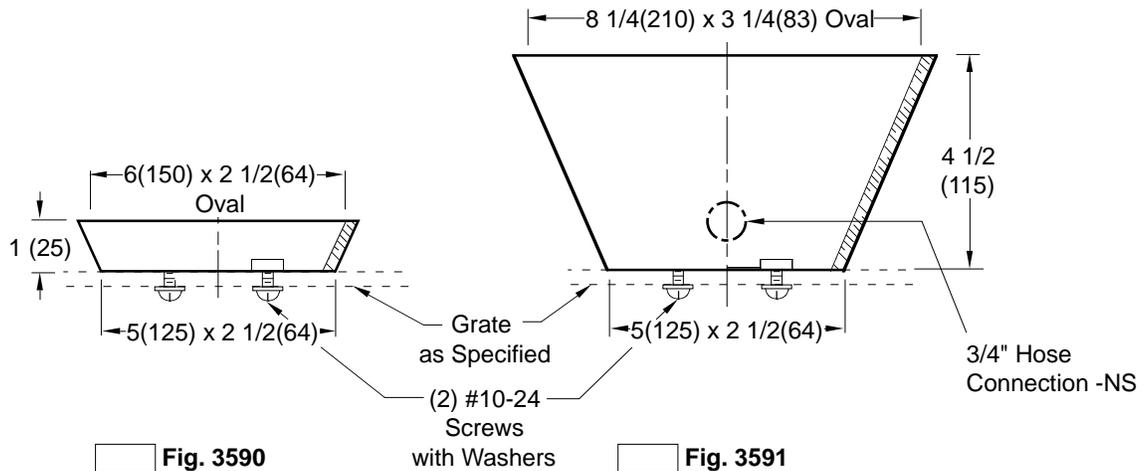


Fig. 3590

Fig. 3591

VARIATIONS:

- 3/4" Hose Connection -NS (Fig. 3591 Only)

OPTIONAL MATERIALS:

- A.R.C. Cast Iron -ARC
- Chrome Plate -CP
- Duco Cast Iron -CI
- Galvanized Cast Iron -G
- Nickel Bronze -NB
- Polished Bronze -PB
- Rough Bronze -RB
- Stainless Steel (See Fig 9703 and 9704)

NOTE: Dimensions shown in parentheses are in millimeters.

D
 SIZE A
 SCALE: NONE
 DATE: 10-10-85
 APPROVED BY: TD
 CHECKED BY: JD
 DRAWN BY: CM
 3580, 3581 3590, 3591
 FIGURE NUMBER

DRAWING NUMBER S3580
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE
 WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 3580, 3581 3590, 3591