

INSTALLATION INSTRUCTIONS FOR HYDRANT M-1100

Prepare trench for water-supply line. Below hydrant location, prepare hole to trench depth and large enough for a person to work. Lay water-supply line and waste line (if required) into trench, allowing extra line length to be trimmed during hook-up. Depending on design and code requirements, lay in drain line also.

Install hydrant fully assembled as shipped. Position hydrant at desired location. Brace hydrant by laying two boards across hole and under hydrant base, one on either side of outer casing. To ensure plumb installation, place a bubble level against hydrant and adjust bracing boards until unit is plumb.

Purge water-supply line. Connect water-supply line, trimming line length as necessary. Wrap bottom drain opening with filter fabric and place a minimum of three cubic feet (0.085 cubic meter) of large round rock under drain opening. Check local codes. Local soil conditions may require more rock for drainage.

Back-fill trench and hole. Compact back-filled earth. Remove bracing boards. If necessary, loosen set screw in base and adjust vertical position of base on outer casing so that bottom of flared part of base is at grade level.

If concrete slab is desired, prepare hole surrounding hydrant to accommodate concrete slab. Spread and compact gravel as necessary. Pour concrete up to bottom of flared part of hydrant base. Finish concrete as necessary.

Water Pressure Min / Max:

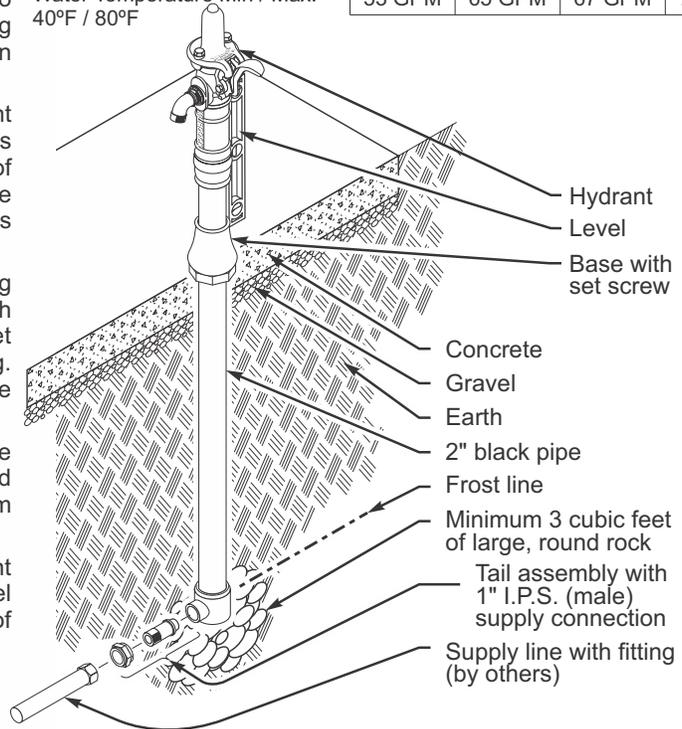
20 PSI / 80 PSI

Water Temperature Min / Max:

40°F / 80°F

Flow Rates:

15 PSI	30 PSI	45 PSI	60 PSI
53 GPM	65 GPM	67 GPM	72 GPM



MAINTENANCE INSTRUCTIONS FOR HYDRANT M-1100

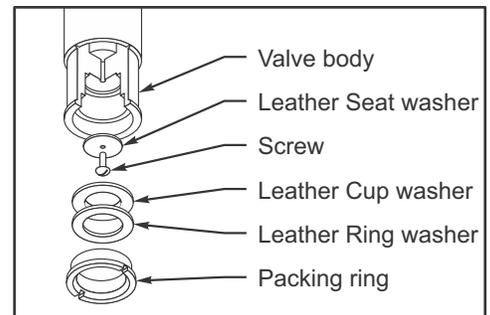
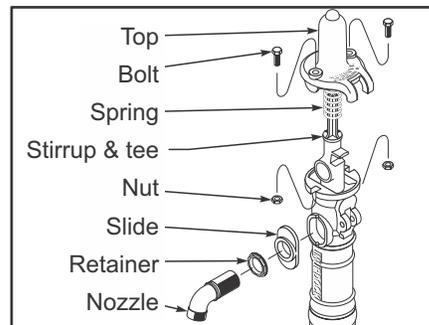
All normal maintenance is done from above grade. Washers should normally be replaced annually. Remove handle and install Murdock-Super Secur "Lot O' Help" tool. Remove bolts and nuts securing top to stock, and remove top from stock. Unscrew and remove nozzle from stirrup and tee, taking care to catch slide. Take hold of stirrup and tee, and raise supply line assembly out of stock-and-outer casing assembly.

At bottom of supply-line assembly, unscrew packing ring from valve body and remove ring washer and cup washer. Remove seat-washer screw and seat washer. Replace seat washer. Replace cup and ring washers, and screw packing ring into valve body.

Lower supply-line assembly into stock. As stirrup and tee approaches top of stock, lower assembly carefully to ensure that valve body seats properly over valve stem.

Ensure that opening in tee is oriented toward opening in stock. Apply pipe joint compound to threaded end of nozzle, insert through slide and opening in stock, and screw nozzle into tee. Make certain that slide tongue in slide fits into groove in stock. Tighten nozzle, making certain that nozzle outlet is oriented downward.

Install spring over stirrup and tee, and replace top over spring. Fasten bolts and nuts. Remove "Lot O' Help" tool and replace handle, making certain that nub on handle engages stirrup properly.



REPLACING LEATHER WASHER

1. Turn off the water Supply to the Hydrant
2. Remove the Nozzle and Top Bolts. The Nozzle is removed by turning the locknut counterclockwise.
3. Pull complete inner works assembly out of hydrant casing.
4. The Washers are located in the brass valve body at the lower end of the inner works.
5. Remove valve packing ring, cup and ring washers with a flat screwdriver and the screw that holds the seat washer in place.
6. Replace seat, cup and ring washers; tighten valve packing ring hand tight so that the cup and ring washers stay in place.
7. Re-assemble the hydrant in the reverse order of disassembly.

Please refer to the Link or QR code provided.

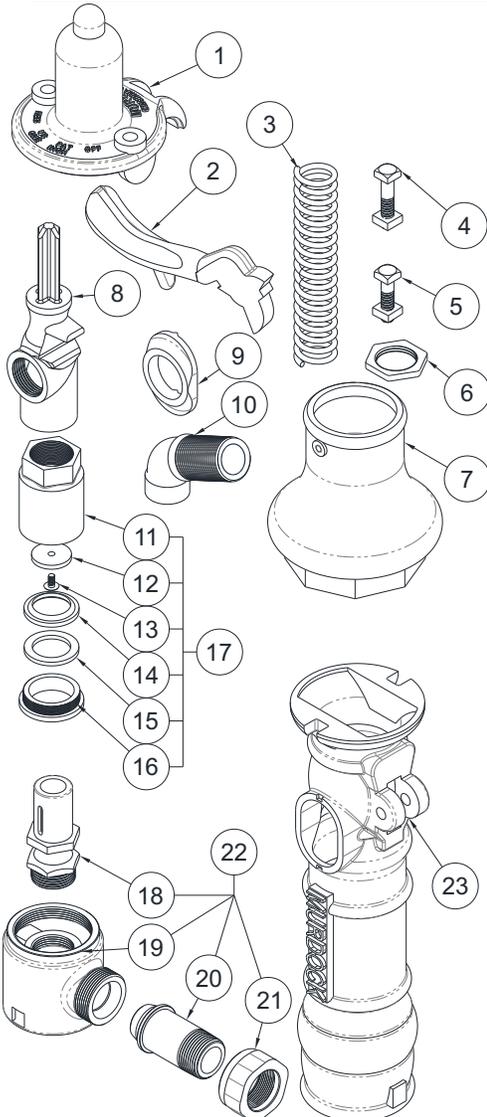
For maintenance and troubleshooting

<https://www.youtube.com/watch?v=go2WSoZnGZ4>



For more assistance please follow the link located to the right

REPLACEMENT PARTS



ITEM	Part Number	Description
1	4100-035-000	HYDRANT TOP
2	4100-126-199	HYDRANT LEVER
3	4100-045-000	HYDRANT SPRING
4	4100-272-001	LEVER NUT & BOLT ASSEMBLY
5	4100-165-001	HYDRANT TOP NUT & BOLT ASSEMBLY
6	4100-177-199	LOCKNUT
7	4100-014-199	HYDRANT BASE
8	4100-139-199	HYDRANT STIRRUP & TEE
9	4100-018-000	HYDRANT SLIDE
10	4100-123-199	HYDRANT NOZZLE
11	4100-178-199	VALVE BODY ONLY
12	4100-087-000	LEATHER SEAT WASHER
13	4100-162-000	SEAT WASHER SCREW
14	4100-085-000	LEATHER CUP WASHER
15	4100-086-000	LEATHER RING WASHER
16	4100-179-199	VALVE PACKING RING
17	4100-178-001	VALVE BODY ASSEMBLY
18	4100-183-199	VALVE STEM
19	4100-058-199	BOTTOM CONNECTION SUPPLY
20	4100-068-199	TAIL PIECE
21	4100-067-199	TAIL NUT
22	4100-058-001	VALVE STEM ASSMEBLY
23	4100-002-199	HYDRANT STOCK



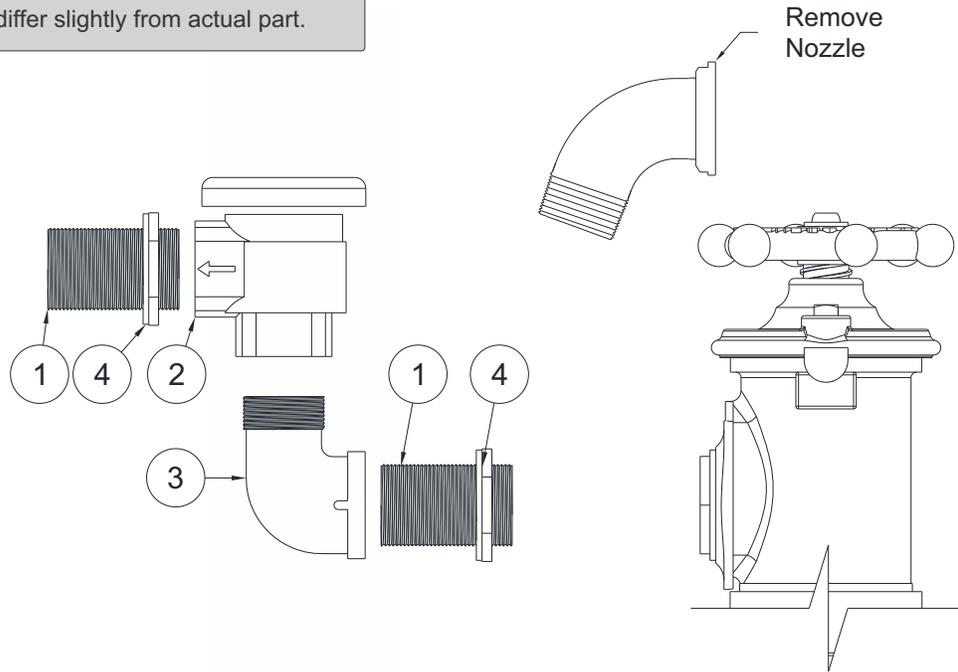
NOTE: When replacing Gaskets lather with Vaseline

OPTIONAL (-VB) VACUUM BREAKER REPLACEMENT PARTS



IMPORTANT

Items shown may differ slightly from actual part.



ITEM	Part number	Description
1	4100-726-199	1" NPS NIPPLE
2	4100-715-000	VACUUM BREAKER
3	4100-728-000	1" STREET ELBOW
4	4100-177-199	LOCKNUT