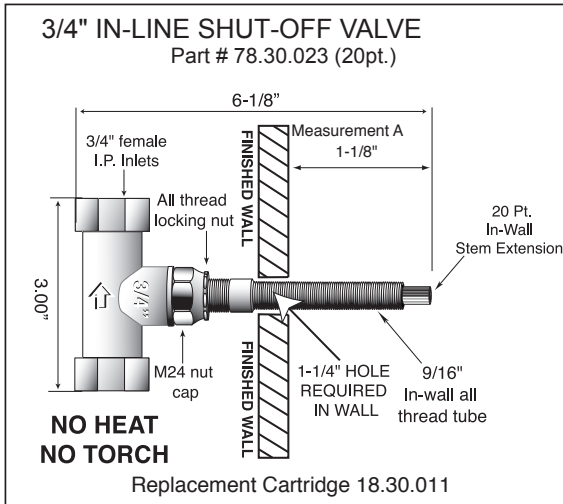
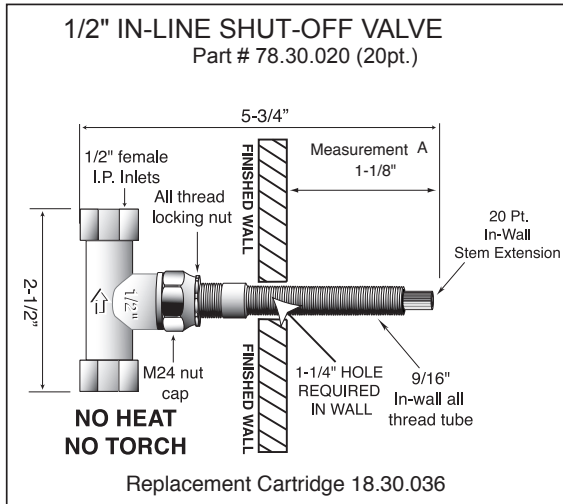


1. Rough-in Measurement A is from tip of valve stem to finished wall.
2. For extra wall thickness, such as ceramic tile, place the in-wall valve body as necessary to maintain Measurement A.
3. Never use an exit as an inlet; Never use an inlet as an exit.
4. Check ports for markings.
5. See the bottom of PG.2 for heavy handle adjustment.
6. NO HEAT NO TORCH
7. FLUSH LINES OF DEBRIS.
8. TEST UNIT BEFORE CLOSING WALL.
9. Trim stem and threads as necessary.
10. UPC REQUIRES ACCESS TO MECHANICAL JOINTS.

Style/Design Use two digit number below as center number in product code (example 72-74-77.) Measurement A

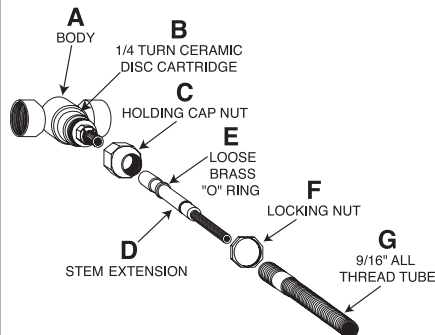
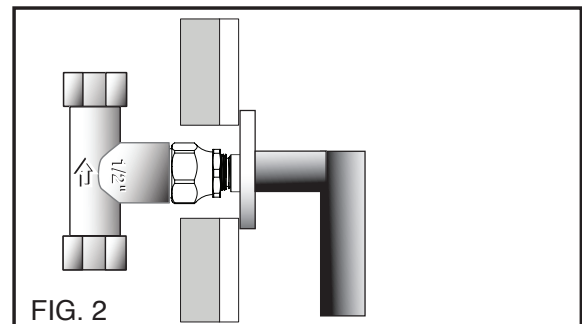
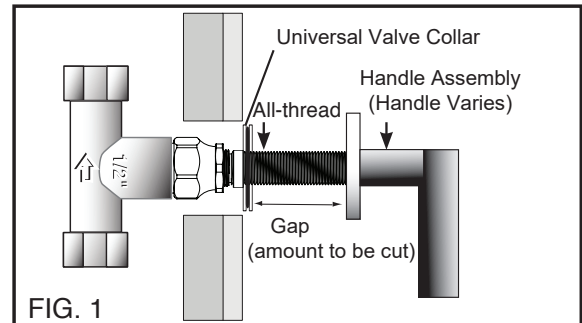
Group 1 (20pt Only) Carina (28), Carina X (30), Ceres II (50), Nova II (48), Polaris II (49), Prana (92), Stella (07), Stella X (08), Capella (97), Capella X (98), Tribeca (29), Tribeca X (39)	1-1/2"
Group 2 (16pt & 20pt) 16pt: Aria (01), Ascot (77), Seville (12), Sussex (78), Waldorf (76) 20pt: Lisse (83), Regent (53), Regent X (54), Tremont (61)	1-3/4"
Group 3 (16pt Only) Palermo (44)	2"
Group 4 (16pt Only) Bordeaux (64), Devon (45), Georgian (41), Huntington (27), Jefferson Elite (02), Loire (56), Luxembourg (65), Madison Elite (40), Monte Carlo (59), Orleans (57), St. Michel (55), Toronto (20), Venezia (25)	2-1/4"
Group 5 (16pt Only) Salem (09), Windham (10)	2-3/8"
Group 6 (16pt Only) Charlotte (04), Charlotte Elite (05), Lexington (03), Lira (82), Mallorca (75), Maya (80), Moderne (93), Moderne X (94), New Hampton (43), Portsmouth (06), Valencia (74)	2-1/2"
Group 7 (16pt Only) Harlow (60)	2-5/8"
Group 8 (16pt Only) Alexandria (14), Chicago (85), Hampshire (13), Houston (81), Montreal (17)	2-3/4"
Group 9 (16pt Only) Siena (79)	3"
Group 10 (20pt Only) LOW-PROFILE HANDLES Nuance (38), Mixx (32), Jaxx (33), Stixx (95)	FLIP TO PG. 2 FOR INSTALLATION SEE PG. 2

NOTICE: These instructions do not represent step-by-step directions. They are a product supplement only to be used by a qualified/licensed plumber. We recommend all plumbing fixtures be installed by a professional.



NOTICE: These instructions do not represent step-by-step directions. They are a product supplement only to be used by a qualified/licensed plumber. We recommend all plumbing fixtures be installed by a professional.

1. Rough-in Valve 1-1/8" from tip of valve stem to finished wall.
2. For extra wall thickness, such as ceramic tile, place the in-wall valve body as necessary to maintain Measurement A. Stem can be cut to size if needed.
3. Never use an exit as an inlet; never use an inlet as an exit
4. Check ports for markings
5. NO HEAT NO TORCH
6. FLUSH LINES OF DEBRIS
7. TEST UNIT BEFORE CLOSING WALL
8. Install handle assembly to the all-thread and measure the gap between finish wall and base of handle assembly. This gap represents the amount needed to cut from all-thread.
NOTE: Make the cut conservatively and re-install to verify, then cut further if necessary.
NOTE: 1/4" Stem should at all times be visible for proper installation. Therefore, **STEM SHOULD ALWAYS BE 1/4" LONGER THAN ALL-THREAD.**
9. UPC REQUIRES ACCESS TO MECHANICAL JOINTS.



Important Note: Tension adjustment instructions for heavy lever handles. Using assembly shown at left, installer must adjust the tension for the heavier lever designs. **Part E** is a loose brass O-ring that is compressed inside **Part G**. The all-thread tube has a shoulder that through normal adjustment must be tightened or secured at the desired tension required for a specific handle.