

CPVC X MALE SWEAT FITTING ADAPTER SCH. 40 - ASTM F438

643 SERIES

SPECIFICATION

Sioux Chief 643 Series ASTM F438 CPVC x sweat fitting adapters shall be used where necessary in hot or cold water distribution systems. Sweat adapters shall be used for connecting sillcocks, laundry boxes, valves, water service connections, etc. CPVC socket connection shall be designed for solvent weld connection to CPVC pipe, fully surrounded and protected by copper tube and employ an o-ring seal. All fittings are production tested to ensure a leak-free connection.

MATERIALS

Fitting Body: Copper tube

O-ring: EPDM

Socket: CPVC

MAXIMUM TEMPERATURE

180°F

SYSTEM COMPATIBILITY

Size	Tube Standard	Fitting Standard	Fitting Burst Pressure
1/2"	ASTM F441	ASTM F438	1910 PSI
3/4"	ASTM F441	ASTM F438	1540 PSI
1"	ASTM F441	ASTM F438	1440 PSI
1-1/4"	ASTM F441	ASTM F438	1180 PSI
1-1/2"	ASTM F441	ASTM F438	1060 PSI
2"	ASTM F441	ASTM F438	890 PSI

INSTALLATION NOTES

Do not expose the CPVC transition area to heat in excess of 180°F. Excessive heat will damage the CPVC insert and internal o-ring seal. Perform all solder joints on CPVC transition fittings at the indicated minimum distance along the copper tube. Always apply torch to female fitting, not the adapter. A plug must be inserted into the CPVC socket when soldering to prevent damage to the CPVC socket and o-ring. Use a heat-blocking compound between solder joint and CPVC joint. Always cool the CPVC insert portion of fitting immediately after soldering is complete. Always pressure test all joints before use.

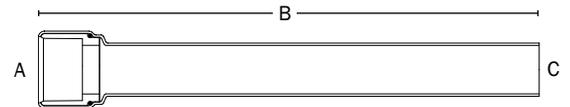
DIMENSIONS

Item:	643-C9211	643-C9311	643-C9418
A: CPVC Sch. 40 Socket	1/2"	3/4"	1"
B: Overall Length	11"	11"	18"
C: Copper (CTS)	1/2"	3/4"	1"

ITEM # SUBMITTED	_____
JOB NAME	_____
LOCATION	_____
ENGINEER	_____
CONTRACTOR	_____
PO#	_____ TAG _____



643-C9311



Create Item Number

643-A

e.g. **643-C9311:** 3/4" CPVC socket x 3/4" CTS x 11" long male sweat fitting adapter

CONNECTION A

C9211 = 1/2" Sch. 40 CPVC socket x male sweat adapter

C9311 = 3/4" Sch. 40 CPVC socket x male sweat adapter

C9418 = 1" Sch. 40 CPVC socket x male sweat adapter