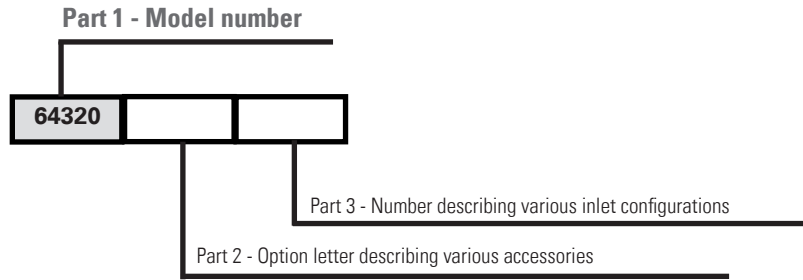




# Design Concepts

Eaton's Carter product line includes unisex couplings designed in accordance with A-A-59377 (supersedes MIL-C-53071) and completely interchangeable with similar 2-inch couplings made by Eaton's Aeroquip® product line. Unisex couplings, as the name implies, are designed to mate with each other allowing for the connection of hose assemblies, regardless of the end fitting. The basic Model 64320 Valved Unisex Coupling has various accessories and inlet options, as described under "Ordering Data".

## Ordering Data



## Features

- Unisex connection allows indiscriminate mating
- Manual ball valve included
- Interlock feature prevents disconnection of unit with ball valve open
- Pressure tight dust cap included on all units
- Dust seal incorporated between connected units — protects mating surfaces
- Units are easily repairable
- Variety of inlet fittings options to suit system needs
- Tan color standard, green optional

## Technical Information

- Qualified in accordance with A-A-59377
- Pressure drop — 3 psi (.206 bar) max for 2 inch units at 200 gpm (757 l/min)
- Operating pressure — 100 psi (6.895 bar)
- Burst pressure — 300 psi (20.684 bar)
- Hose swivel torque — 240 in-lb max at 100 psi (6.894 bar)
- Operating temperatures — -25°F to +155°F (-31.66°C to +65.55°C)
- Inlets to mate male or female NPT or BSPP camlocks, D-1/D-2/D-3 nozzle, hose barbs available. Special inlets available on request.
- Hose swivel integral to part

### Part 2

The basic model may be ordered with various accessories by adding one, or more of the letters listed in the table, right.

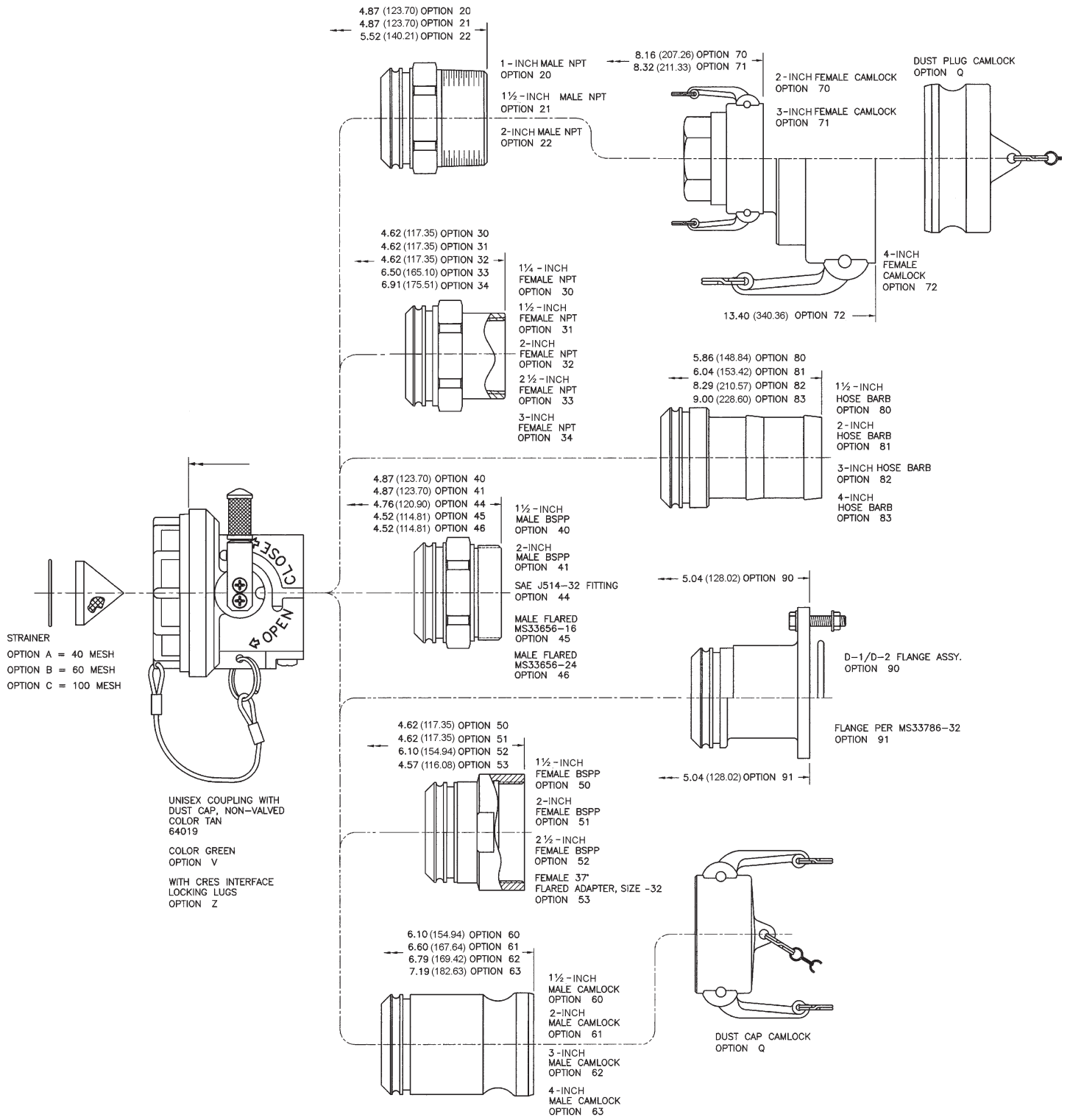
Option Letter	Description	Option Letter	Description
A	Adds 40-mesh strainer	Q	Adds dust cap/plug, camlock type
B	Adds 60-mesh strainer	V	Changes exterior color to green
C	Adds 100-mesh strainer	Z	CRES interface locking lugs

### Part 3

The basic model may be ordered with various options by adding one or more of the numbers listed in the table, right. The basic unit has no inlet fitting and meets the tan color requirement, hence an option letter and/or number must be specified to achieve a complete unit.

Option Number	Description	Option Number	Description
20	Adds 1-inch NPT male adapter	52	Adds 2½-inch BSPP female adapter
21	Adds 1½-inch NPT male adapter	53	Adds female 37° flared adapter, size -32
22	Adds 2-inch NPT male adapter	60	Adds 1½-inch camlock, male
30	Adds ¼-inch NPT female adapter	61	Adds 2-inch camlock, male
31	Adds ½-inch NPT female adapter	62	Adds 3-inch camlock, male
32	Adds 2-inch NPT female adapter	63	Adds 4-inch camlock, male
33	Adds 2½-inch NPT female adapter	70	Adds 2-inch camlock, female
34	Adds 3-inch NPT female adapter	71	Adds 3-inch camlock, female
40	Adds 1½-inch BSPP male adapter	72	Adds 4-inch camlock, female
41	Adds 2-inch BSPP male adapter	80	Adds 1½-inch hose barb
44	Adds SAE J514-32 fitting	81	Adds 2-inch hose barb
45	Adds male flared MS33656-16 Adapter	82	Adds 3-inch hose barb
46	Adds male flared MS33656-24 adapter	83	Adds 4-inch hose barb
50	Adds 1½-inch BSPP female adapter	90	Adds D-1/D-2/D-3 flange inlet
51	Adds 2-inch BSPP female adapter	91	Adds flange adapter per MS33786-32

# Illustrated Options and Envelope Dimensions



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