

## SPECIFICATION SECTION XXX

### PRODUCT: CARTRIDGE FILTER SYSTEM

#### 1.0 GENERAL

Furnish a floor mounted, free standing, single element cartridge filtration system for the reduction of sediment as specified here in this section and as called for in the equipment schedule. The cartridge filtration system shall be supplied complete and include all components required for proper operation of the system. These components shall be a polymer filter housing, sediment reduction filter cartridge with [pleated] [melt blown] type media [1] [5] [20] [50] [150] micron [pleated 5 micron activated carbon] nominal micron rating, inlet pressure gauge, union connection plumbing adapters, liquid filled inlet pressure gauge, and inlet water diffuser. The system shall be a Watts Model # BBH-150 housing with filter cartridge Model # [ ].

#### 2.0 RELATED SECTIONS XXX

#### 3.0 COMPONENTS

##### 3.1 Filter Housing

The filter housing shall be constructed of fiberglass reinforced polypropylene with a top opening to provide access into the filter housing for replacement of the filter cartridge. Eye-bolts constructed of 304 stainless steel shall secure the removable lid. the lid shall have a brass reinforced gauge port to accept the pressure gauge to display inlet pressure. A flow diffuser shall deflect the inlet water to prevent direct bombardment of inlet water against the filter cartridge. The housing will have a drain port to empty the unfiltered water compartment during filter changes, and have 2" union connections for the inlet and outlet supply water. The housing shall have a 125 psi maximum pressure rating, 125 deg. F (48 deg. C) at 80 psi maximum temperature rating, and certified to NSF/ANSI Standard 61. The housing shall be a Watts Model # BBH-150

##### 3.2 Filter Cartridge

The replaceable filter elements shall be a single open end [pleated] [melt blown] type [1] [5] [20] [50] [150] micron [pleated 5 micron activated carbon] nominally rated cartridge with double o-ring end seal to eliminate untreated water bypassing the filter. The filter cartridge shall be of all polymer construction for chemical resistance. The filter cartridge shall be a Watts Model # [ ].

#### 4.0 SERVICES

##### 4.1 Warranty

The Contractor providing the equipment shall provide a 1 year parts and labor warranty for the system to protect against manufacturers defects. The system shall not be subjected to water temperatures above 125 deg. F (52 deg. C) or below 34 deg. F. (1 deg. C) nor shall it be subjected to pressure exceeding 125 psi. Filter cartridges should be changed before reaching a 30 psi pressure differential to prevent collapse of the filter cartridge.

##### 4.2 Start Up

The Contractor providing the equipment shall provide start up of the cartridge filter system and perform operator training for the owner upon completion of start up.