

### Quick Check Basket Filter

Rain Bird offers a family of filtration products to meet a wide variety of needs. The newest addition is the Quick Check Basket Filter. This filter can be used in both residential and light commercial applications.

#### Quick Check Basket Filter

Drastically reduce hours of labor by installing the new Quick Check Basket Filter. This innovative new filter offers superior protection with the convenience of an indicator that tells you when the filter needs to be cleaned.

During regular operation, the Quick Check indicator bubble remains a vibrant green. When debris accumulates to a level where significant pressure loss occurs, the indicator bubble switches to bright red. (Indicator only shows red during system operation).

The indicator bubble and cap offer 'jar top' convenience for easy access and high visibility.

The filter's recessed basket design allows for easy access to the filter element and prevents debris from entering the line during cleaning.

#### Durability and Convenience

The Quick Check Basket Filter body is molded of impact resistant glass-filled polypropylene material. The cap is made of glass-filled nylon with a UV tested polyurethane indicator window. The design incorporates four Buna N o-rings for leak-free performance and is rated to 150 psi.

#### Stainless Steel Filter Elements

The Quick Check Basket Filter elements are made of heavy duty reinforced polypropylene plastic with stainless steel mesh. Filter elements are available in 50 (yellow), 100 (red), 150 (blue) and 200 (natural) mesh. The filter element's 'basket' design filters the water during operation and traps debris in the basket area. This prevents debris from falling back into the downstream line during cleaning.



#### How to Specify/Order: Quick Check Basket Filter Elements

##### QK CHK 050M\*

##### Models

Quick Check

##### Size

050: 50 Mesh  
100: 100 Mesh  
150: 150 Mesh  
200: 200 Mesh

##### Filter Inlet/Outlet Size

075: ¾" MPT  
100: 1" MPT  
100 BSP: 1" BSP Threads

\*Quick Check Basket Filter Elements are stainless steel mesh

#### How to Specify/Order: Quick Check Basket Filter

##### QK CHK 075

##### Models

Quick Check  
QK CHK 075  
QK CHK 100

##### Size

¾" Inlet/Outlet  
1" Inlet/Outlet

200 mesh filter element comes pre-installed in the QK-CHK-075 or QK-CHK-100 filter.



**Friction Loss Characteristics**

**QKCHK-075**

Flow Rate GPM	Flow Rate GPH	200 mesh psi	150 mesh psi
0.20	12.0	0.4	0.3
2.0	120	0.5	0.3
4.0	240	0.7	0.3
6.0	360	0.9	0.8
8.0	480	1.1	1.2
10.0	600	1.5	1.9
12.0	720	1.9	2.4

**QKCHK-075**

**METRIC**

Flow Rate l/hr	Flow Rate l/s	75 micron bar	100 micron bar
45,42	0,01	0,03	0,02
454	0,13	0,03	0,02
908	0,25	0,05	0,02
1362	0,38	0,06	0,06
1817	0,50	0,08	0,08
2271	0,63	0,10	0,13
2725	0,76	0,13	0,17

**Friction Loss Characteristics**

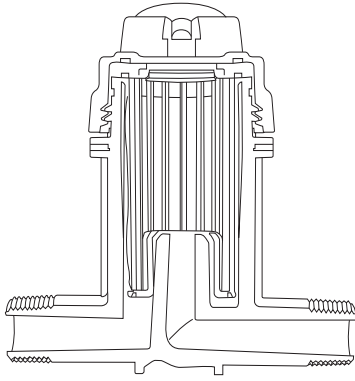
**QKCHK-100**

Flow Rate GPM	Flow Rate GPH	200 mesh psi	150 mesh psi
3.0	180	0.2	0.0
5.0	300	0.3	0.2
7.0	420	0.6	0.4
9.0	540	0.9	0.7
11.0	660	1.2	1.1
14.0	840	2.1	1.6
17.0	1020	3.1	2.4
20.0	1200	4.4	3.4

**QKCHK-100**

**METRIC**

Flow Rate l/hr	Flow Rate l/s	75 micron bar	100 micron bar
681	0,19	0,01	0,00
1136	0,32	0,02	0,01
1590	0,44	0,04	0,03
2044	0,57	0,06	0,05
2498	0,69	0,08	0,08
3179	0,88	0,14	0,11
3861	1,07	0,21	0,17
4542	1,26	0,30	0,23



The \_\_\_\_\_" Quick Check Basket Filter shall provide for continuous filtration of the drip zone when the Quick Check Basket Filter is connected to any 24-VAC controller or Rain Bird battery-operated Controller. The Quick Check Basket Filter shall be pressure rated to 150 psi to permit installation downstream of the control valve(s). For optimum filtration and system performance, the Quick Check Basket Filter shall incorporate a stainless steel screen element with a basket design to capture debris and prevent that debris from falling into the downstream line during routine maintenance. The screen element shall be reinforced with polypropylene ribs to increase durability and the screen element shall be color-coded for easy identification of mesh size. The Quick Check Basket Filter and Stainless Steel Screen Element shall be manufactured by Rain Bird Sprinkler Mfgr Corp., Glendora, California.

### **Stainless Steel Screen Elements**

The \_\_\_\_\_mesh stainless-steel screen element shall be used inside the Quick Check Basket Filter and shall be constructed of stainless steel welded to a color-coded polypropylene frame. The screen element shall be used in both the 3/4" and 1" models and match the filtration requirements of the emission device or sprinkler. Screen mesh sizes shall be designated by the following color code: yellow-50 mesh, red-100 mesh, blue-150 mesh and natural-200 mesh. The stainless steel screen element shall be supplied by Rain Bird Sprinkler Mfgr Corporation, Glendora, California.

### **Stainless Steel Screen Element Dimensions (Inches)**

Filter Size	Diameter	Height	Area of Filtration(in <sup>2</sup> )
¾"	2.5"	4"	16.26"
1"	2.5"	4"	16.26"

### **Stainless Steel Screen Element Dimensions (Metric)**

Filter Size	Diameter	Height	Area of Filtration(in <sup>2</sup> )
1,91 cm	3,35 cm	10,16 cm	41,30 cm
2,54 cm	3,35 cm	10,16 cm	41,30 cm

**Note:** When installed in a valve box, allow enough distance between top of filter cap and valve box lid so lid does not rest on top of filter cap.

### **Operating Range**

- Flow
  - ¾" Basket Filter: 0.20 to 12.0 GPM (45,4 to 2725 l/h)
  - 1" Basket Filter: 3.0 to 20.0 GPM (681 to 4542 l/h)
- Pressure: 15-150 psi (1,0 to 10,3 bar)



---

**Rain Bird Corporation**

*Contractor Division*

970 West Sierra Madre Avenue, Azusa, CA 91702

Phone: (626) 963-9311 Fax: (626) 812-3411

**Rain Bird Corporation**

*Commercial Division*

6991 East Southpoint Road, Tucson, AZ 85706

Phone: (520) 741-6100 Fax: (520) 741-6522

**Rain Bird International, Inc.**

145 North Grand Avenue, Glendora, CA 91741

Phone: (626) 963-9311 Fax: (626) 963-4287

**Rain Bird Technical Services**

(800) 247-3782 (U.S. only)

**Specification Hotline**

800-458-3005 (U.S. only)

[www.rainbird.com](http://www.rainbird.com)

The Intelligent Use of Water™ – Visit [www.rainbird.com](http://www.rainbird.com)  
to learn about our efforts.

® Registered Trademark of Rain Bird Corporation  
© 2004 Rain Bird Corporation 10/04