

## Pressure Regulating, and Quick-Check Pressure Regulating Basket Filters

The only commercial-grade filter with built in pressure regulator for low-volume irrigation zones. Also available with a clean/dirty indicator.

### Features

- Reduces maintenance and labor costs - 40% larger filter surface than standard filters means less frequent cleaning
- Provides increased reliability – “No Spill” feature ensures dirt does not fall back into the filter during cleanup operation
- Simplifies installation and maintenance – threaded top with O-ring makes it easy to remove and clean that stainless steel filter screen
- Efficient design – combines filtration and pressure regulation in one compact unit with fewer connections
- Available in 1" model
- Comes pre-assembled with 200 mesh (75 micron) stainless steel screen (other screen sizes available)
- Built-in 40 psi (2,7 bar) pressure regulator
- Also available in Light Commercial Control Zone Kits:
  - XCZ-100-PRBR (without Quick-Check feature)
  - XCZ-100-PRB-LC (without Quick-Check feature)
  - XCZ-PRB-100-COM (with Quick-Check)
  - XCZ-PRB-150-COM (with Quick-Check)

### Operating Range

- Flow: 0.3 to 20 gpm (18.9 to 75.7 l/m)
- Inlet Pressure: 15 to 150 psi (1,0 to 10,3 bar)
- Regulating Pressure: 40 psi (2,7 bar)
- Filtration: 200 mesh (75 micron) stainless steel
- Temperature: Up to 150 degree F (66 degree C)

### Models

- PRB-100: 1" Basket Filter with built-in Pressure Regulator (40 psi) and 200 mesh (75 micron) stainless steel screen
- PRB-QKCHK-100: 1" Basket Filter with built-in Pressure Regulator (40 psi) and 200 mesh (75 micron) stainless steel screen

### Replacement Filter Screens

- QKCHK-100M: 100 mesh stainless steel screen, red
- QKCHK-200M: 200 mesh stainless steel screen, white

### Replacement Cap

- QKCHKCAP (Complete cap with body o-ring)

**Note:** When installing with the emission points more than 5 feet above the pressure regulating filter, a check valve should be installed after the regulator.

### Minimum Inlet Pressure for 40 psi (2.8 bar) Outlet Pressure

| Flow Rate |      | Inlet Pressure<br>PRB-100 / PRB-QKCHK-100 |     | Inlet Pressure<br>PRB-QKCHK-200 |     |
|-----------|------|---|-----|---------------------------------|-----|
| gpm       | l/m  | psi                                       | bar | psi                             | bar |
| 3         | 11.4 | 41  | 2.8 | 43                              | 2.9 |
| 5         | 18.9 | 42  | 2.9 | 48                              | 3.3 |
| 10        | 37.9 | 48  | 3.3 | 52                              | 3.6 |
| 15        | 56.8 | 52  | 3.6 | 54                              | 3.7 |
| 20        | 75.7 | 64  | 4.4 | 66                              | 4.5 |



PRB-100



PRB-QKCHK-100



QKCHK-200M