

## LARGE-CAPACITY FILTERS

Large-Capacity high flow and low maintenance with a solid build  
Disc & Screen Filters

### FEATURES

Provides extra large filtration capacity for residential, commercial, and municipal applications

- Durable filters can be easily removed for cleaning, significantly reducing cleaning time
- Disc filters can decompress for easy cleaning
- Auxiliary connection with a threaded cap can be drilled to allow draining or depressurization

### OPERATING RANGE

- ¾" Model  
Maximum flow: Up to 5 m<sup>3</sup>/h  
Filtering surface (disc): 180 cm<sup>2</sup>  
Filtering surface (screen): 160 cm<sup>2</sup>
  - 1" Model  
Maximum flow: Up to 6m<sup>3</sup>/h  
Filtering surface (disc): 180 cm<sup>2</sup>  
Filtering surface (screen): 160 cm<sup>2</sup>
  - 1.5" Model  
Maximum flow: Up to 20 m<sup>3</sup>/hr  
Filtering surface (disc): 535 cm<sup>2</sup>  
Filtering surface (screen): 490 cm<sup>2</sup>
  - 2" Model  
Maximum flow: Up to 25 m<sup>3</sup>/hr  
Filtering surface (disc): 525 cm<sup>2</sup>  
Filtering surface (screen): 485 cm<sup>2</sup>
- Maximum Pressure: 8 bar  
Maximum Temperature: Up to 60° C

### MODELS

- ILCRBY075D (P/N: X14609) - ¾" Large Capacity Disc Filter
- ILCRBY075S (P/N: X14608) - ¾" Large-Capacity Screen Filter
- ILCRBY100D (P/N: X14611) - 1" Large-Capacity Disc Filter
- ILCRBY100S (P/N: X14610) - 1" Large-Capacity Screen Filter
- ILCRBY150D (P/N: X14613) - 1.5" Large-Capacity Disc Filter
- ILCRBY150S (P/N: X14612) - 1.5" Large-Capacity Screen Filter
- ILCRBY200D (P/N: X14615) - 2" Large-Capacity Disc Filter
- ILCRBY200S (P/N: X14614) - 2" Large-Capacity Screen Filter



ILCRBY200D



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### SPARE PARTS

- SMFC120MS (P/N: X14616) - ¾" - 1" SCRNCART LG CAP 120 m
- SMFC120MD (P/N: X14617) - ¾" - 1" DISCCART LG CAP 120 m
- LGFC120MS (P/N: X14618) - 1½" - 2" SCRNCRT LG CAP 120 m
- LGFC120MD (P/N: X14619) - 1½" - 2" DISCCRT LG CAP 120 m

### SPECIFICATIONS

- Inlet / Outlet Size:  
Models: ¾" BSP  
Models: 1" BSP  
Models: 1.5" BSP  
Models: 2" BSP

### FILTRATION

- Stainless Steel Screen Filter: 120 Mesh (130 Micron)
- Plastic Filter Discs: 120 Mesh (130 Micron)

### Pressure Loss Characteristics - Disc Filter

Flow rate (l/min)	1" Filter bar	1.5" Filter bar	2" Filter bar
18.93	0.04	0.01	0.01
41.67	0.08	0.01	0.01
83.33	0.18	0.03	0.01
125.0	0.30	0.05	0.02
166.67	—	0.07	0.03
208.33	—	0.10	0.04
250.00	—	0.15	0.06
291.67	—	0.21	0.08
333.33	—	0.27	0.11
375.00	—	—	0.14
416.67	—	—	0.17

### Pressure Loss Characteristics - Screen Filter

Flow rate (l/min)	1" Filter bar	1.5" Filter bar	2" Filter bar
18.93	0.06	0.00	0.00
41.67	0.12	0.00	0.00
83.33	0.20	0.03	0.01
125.0	0.28	0.07	0.02
166.67	—	0.10	0.03
208.33	—	0.13	0.04
250.00	—	0.16	0.06
291.67	—	0.19	0.08
333.33	—	0.22	0.10
375.00	—	—	0.13
416.67	—	—	0.16