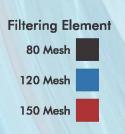
Y Type Screen Filters



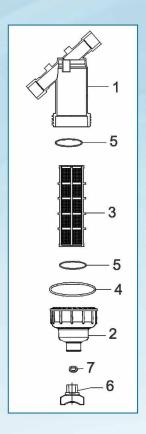
| Specifications | AQ-121Y | | AQ-122Y | | |
|----------------------------|--------------------------------------|--------------------|--------------------------------------|-----------------|--|
| | US Standard | Metric Standard | US Standard | Metric Standard | |
| Inlet / outlet | 3/4" NPT | 3/4" BSP | 1" NPT | 1"BSP | |
| Maximum Operating Pressure | 85 PSI | 6 Kg/cm² | 85 PSI | 6 Kg/cm² | |
| Range of Flow Rate | 15-25 GPM | 4-6 m³/hr | 15-25 GPM | 4-6 m³/hr | |
| Nominal Flow Rate | 20 GPM | 5m³/hr | 20 GPM | 5m³/hr | |
| Filtration Surface Area | 18.6 in² | 120cm ² | 18.6 in ² | 120cm² | |
| Material of Construction | Polypropylene | | Polypropylene | | |
| Filtering Cartridge | 304/316 Grade Stainless Steel Screen | | 304/316 Grade Stainless Steel Screen | | |
| Cartridge Diameter | 1.9 Inches | 48mm | 1.9 Inches | 48mm | |
| Cartridge Length | 5.9 Inches | 150mm | 5.9 Inches | 150mm | |
| Available Mesh | 80, 120, 150 | 80, 120, 150 | 80, 120, 150 | 80, 120, 150 | |



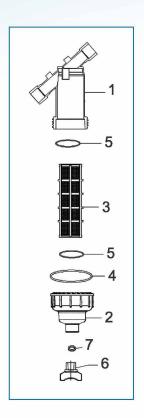
| Flow Loss | | | | Flow Loss | | | | | | | |
|-------------------------|------|------|------|-----------|------|-------------------------------------|------|------|------|------|------|
| Flow m³/hr | 2 | 3 | 4 | 5 | 6 | Flow m³/hr | 2 | 3 | 4 | 5 | 6 |
| Pressure Loss kg/cm² | 0.06 | 0.11 | 0.2 | 0.3 | 0.43 | Pressure Loss kg/cm ² | 0.06 | 0.11 | 0.2 | 0.3 | 0.43 |
| Flow GPM | 10 | 15 | 17 | 20 | 25 | Flow GPM | 10 | 15 | 17 | 20 | 25 |
| Pressure Loss PSI | 0.93 | 1.69 | 2.73 | 4.10 | 5.92 | Pressure Loss PSI | 0.93 | 1.69 | 2.73 | 4.10 | 5.92 |



Y Type Screen Filters



| AIPL CODE DESCRIPTION INLET/OUTLET CONNECTION MICRON /MESH | | | | | | | | | | |
|--|-----------|--|-------------------|----------|---------|--|--|--|--|--|
| AIPL CODE DESCRIPTION INLEI/OUTLET SIZE /MESH 14310001 3/4" Screen Filter Y Type 120 Mesh Male Thread NPT 3/4" 130/120 14040001 3/4" Screen Filter Y Type 120 Mesh Male Thread BSP 3/4" 130/120 SPARE PARTS S. NO PARTS NAME PART CODE Body (BSP Thread) 12490042 PP 1 Cap Cap 12490044 PP 1 Screen Cartridge (80 Mesh) Black 14120023 3 Screen Cartridge (120 Mesh) Blue 14120011 Glass reinforced PP ACAP O-Ring 50010045/50010081 NBR Callass reinforced PP 1 Callass reinforced PP 1 Callass reinforced PP 1 Callass reinforced PP | | ³ / ₄ " Screen Filter (Model 121 Y -4-6 m³/hr) | | | | | | | | |
| 14040001 3/4" Screen Filter Y Type 120 Mesh Male Thread BSP 3/4" 130/120 | AIPL CODE | DESCRIPTION | INLET/OUTLET | | | | | | | |
| SPARE PARTS S. NO PARTS NAME PART CODE MATERIAL QTY | 14310001 | 3/4" Screen Filter Y Type 120 Mesh | Male Thread NPT | 3/4" | 130/120 | | | | | |
| S. NO PARTS NAME PART CODE MATERIAL QTY 1 Body (BSP Thread) Body (NPT Thread) 12490042 12490044 PP 1 2 Cap 12490046 PP 1 Screen Cartridge (80 Mesh) Black 14120023 Glass reinforced PP 1 3 Screen Cartridge (120 Mesh) Blue 14120001 Glass reinforced PP 1 4 Cap O-Ring 50010044 NBR 1 5 Cartridge O-Ring 50010045/50010081 NBR 2 6 End Plug 12490051 Glass reinforced PP 1 | 14040001 | 3/4" Screen Filter Y Type 120 Mesh | Male Thread BSP | 3/4" | 130/120 | | | | | |
| Body (BSP Thread) 12490042 PP 1 | | SPARE PARTS | | | | | | | | |
| 1 Body (NPT Thread) 12490044 PP 1 2 Cap 12490046 PP 1 Screen Cartridge (80 Mesh) Black 14120023 3 Screen Cartridge (120 Mesh) Blue 14120001 Screen Cartridge (150 Mesh) Red 14120012 4 Cap O-Ring 50010044 NBR 1 5 Cartridge O-Ring 50010045/50010081 NBR 2 6 End Plug 12490051 Glass reinforced PP 1 | S. NO | PARTS NAME | PART CODE | MATERIAL | QTY | | | | | |
| Body (NPT Thread) 12490044 | | Body (BSP Thread) | 12490042 | 200 | 1 | | | | | |
| Screen Cartridge (80 Mesh) Black 14120023 Glass reinforced PP 1 | 1 | Body (NPT Thread) | 12490044 | PP | | | | | | |
| 3 Screen Cartridge (120 Mesh) Blue 14120001 Glass reinforced PP 1 Screen Cartridge (150 Mesh) Red 14120012 4 Cap O-Ring 50010044 NBR 1 5 Cartridge O-Ring 50010045/50010081 NBR 2 6 End Plug 12490051 Glass reinforced PP 1 | 2 | Сар | 12490046 | PP | 1 | | | | | |
| Screen Cartridge (120 Mesh) Blue 14120001 PP 1 Screen Cartridge (150 Mesh) Red 14120012 4 Cap O-Ring 50010044 NBR 1 5 Cartridge O-Ring 50010045/50010081 NBR 2 6 End Plug 12490051 Glass reinforced PP 1 | | Screen Cartridge (80 Mesh) Black | 14120023 | | 1 | | | | | |
| 4 Cap O-Ring 50010044 NBR 1 5 Cartridge O-Ring 50010045/50010081 NBR 2 6 End Plug 12490051 Glass reinforced PP 1 | 3 | Screen Cartridge (120 Mesh) Blue | 14120001 | | | | | | | |
| 5 Cartridge O-Ring 50010045/50010081 NBR 2 6 End Plug 12490051 Glass reinforced PP 1 | | Screen Cartridge (150 Mesh) Red | 14120012 | | | | | | | |
| 6 End Plug 12490051 Glass reinforced PP 1 | 4 | Cap O-Ring | 50010044 | NBR | 1 | | | | | |
| 6 End Plug 12490051 reinforced PP | 5 | Cartridge O-Ring | 50010045/50010081 | NBR | 2 | | | | | |
| 7 End Plug Washer 50020001 NBR 1 | 6 | End Plug | 12490051 | | 1 | | | | | |
| | 7 | End Plug Washer | 50020001 | NBR | 1 | | | | | |



| 1" Screen Filter (Model 122 Y -4-6 m³/hr) | | | | | | | | |
|---|--|-------------------|------------------------|-----------------|--|--|--|--|
| AIPL CODE | DESCRIPTION | INLET/OUTLET | CONNECTION SIZE | MICRON /MESH | | | | |
| 14310002 | 1" Screen Filter Y Type 120 Mesh | Male Thread NPT | 1" | 130/120 | | | | |
| 14040002 | 1" Screen Filter Y Type 120 Mesh Male Thread BSP 1" 130/12 | | | | | | | |
| | SPARE PARTS | | | | | | | |
| S. NO | PARTS NAME | PART CODE | MATERIAL | QTY | | | | |
| | Body (BSP Thread) | 12490043 | 200 | | | | | |
| 1 | Body (NPT Thread) | 12490045 | PP | 1 | | | | |
| 2 | Сар | 12490046 | PP | 1 | | | | |
| | Screen cartridge (80 mesh) Black | 14120023 | | 1 | | | | |
| 3 | Screen Cartridge (120 Mesh) Blue | 14120001 | Glass reinforced PP | | | | | |
| | Screen Cartridge (150 Mesh) Red | 14120012 | | | | | | |
| 4 | Cap O-Ring | 50010044 | NBR | 1 | | | | |
| 5 | Cartridge O-Ring | 50010045/50010081 | NBR | 2 | | | | |
| 6 | End Plug 12490051 Glass reinforced PP | | 1 | | | | | |
| 7 | End Plug Washer | 50020001 | NBR | 1 | | | | |