

DISMIC® Quick Selection Guide

2 5 A S 0 2 0 A S

| Diameter | Membrane material | Housing Material | Pore size | Filter Surface | Sterile |
|-------------|------------------------------|---------------------|----------------|--------------------------|----------------------|
| 28 --- 28mm | A --- Mixed Cellulose Esters | S --- Acrylic | 020 --- 0.20µm | A --- White Plane | S --- Pre-Sterilized |
| 25 --- 25mm | C --- Cellulose Acetate | P --- Polypropylene | 045 --- 0.45µm | C --- Ion Chromatography | N --- Non-Sterile |
| 13 --- 13mm | S --- PES | | 050 --- 0.50µm | R --- Gamma irradiated | |
| 03 --- 3mm | H --- PTFE, Hydrophilic | | 080 --- 0.80µm | | |
| | J --- PTFE, Hydrophobic | | | | |



What is the solvent of sample?

Organic Solvents / Gas Aqueous Solvents

For sterile filtration?

| DISMIC® Major Applications | Filtration of Organic Solvents / Gas | For Sterile Filtration | | | Sample preparation for analysis | | |
|----------------------------|---|---|---|---|--|--|--|
| | | YES | | | NO | | |
| | Contains acid or alkali? | YES | NO | Care about protein absorption on the filter? | Contains strong acid, strong alkali or organic solvent? | | |
| | | YES | NO | | YES | NO | YES |
| Grade | □JP or □AN type | 25SS□RS type or 28SP□RS type | 25CS□AS type or 28CP□AS type | 25AS□AS type | □HP□AN type | 25CS□AN type or □CP□AN type | 25AS□AN type |
| Features | Suitable for filtration of Organic Solvents due to its Hydrophobic PTFE membrane with high resistance against chemicals. Also suitable for micro filtration of gases. | Sterile individual packaging. Due to its PES membrane, strong at Acid or Alkali and less absorption of proteins. Also, suitable for filtration of viscous liquid due to its excellent flow characteristics. | Sterile individual packaging. Less absorption of proteins due to its Cellulose Acetate membrane. Suitable for filtration of samples that require less protein decrease. | Sterile individual packaging. Suitable for absorbing proteins due to its Mixed Cellulose Esters membrane. You can expect good result for clarifying filtration of protein solution. | Hydrophilic PTFE membrane filter is used. Available low elution type of 13HP grade for Ion Chromatography. | Cellulose Acetate membrane with less absorption of protein is used. Suitable for filtration of samples that require less protein decrease. | Mixed Cellulose Esters membrane with good absorption of protein is used. Suitable for clarifying filtration of protein solution. |
| Diameter of filter (mm) | 3 / 13 / 25 | SS: 25 SP: 28 | CS: 25 CP: 28 | 25 | 13 / 25 / 28 | CS: 25 CP: 3 / 13 / 28 | 25 |
| Pore size (µm) | 0.2 / 0.5 | 0.2 / 0.45 | 0.2 / 0.45 / 0.8 | 0.2 / 0.45 | 0.2 / 0.45 | 0.2 / 0.45 / 0.8 *2 | 0.2 / 0.45 |
| Material of filter | PTFE | PES | Cellulose Acetate | Mixed Cellulose Esters | PTFE, Hydrophilic | Cellulose Acetate | Mixed Cellulose Esters |
| Material of housing | Polypropylene | SS: Acrylic Polystyrene SP: Polypropylene | CS: Acrylic Polystyrene CP: Polypropylene | Acrylic Polystyrene | Polypropylene | CS: Acrylic Polystyrene CP: Polypropylene | Acrylic Polystyrene |

*1: Please choose suitable diameter and the pore size on the □ portion.
*2: 0.8µm grade is not available for 3mm and 13mm diameter sizes.

Ion Chromatography grade is available for 13HP types.
Sterile grade is available for 28SP and 28CP types.

Contact:

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