

## HYGZ300 (M.S. for Refrigerant)

### Description:

Molecular sieve HYGZ300 is a synthetic zeolite of A-type crystal structure in potassium-sodium form with a pore opening of 3 angstroms (0.3 nm).

### Application:

HYGZ300 series refrigerant adsorbents effectively remove moisture and other contaminants from refrigerant; thus avoid ice formation and protect the system from blockage and corrosion.

HYGZ300B (XH-7) is applied in dehydration of new type refrigerants such as R-134a, R-410A, R-407C, R-404A, R-507 etc. in the household and commercial refrigerators, iceboxes and air conditioners. It can be also applied in specialized refrigerants such as butane in "green refrigerator". It's also compatible with refrigerant R12, R22 and R32 in order to desiccate, purify and improve refrigeration effect.

HYGZ300C (XH-9) is applied in dehydration of refrigerants (excludes refrigerant mixtures which containing difluoromethane) in air conditioners, refrigerators and iceboxes. It is a general type of adsorbent.

HYGZ300F (XH-11) is applied in dehydration of environment-friendly refrigerants.

### Specification:

Properties		HYGZ400A	HYGZ300B	HYGZ300C	HYGZ300F
Items	Unit	8×12 Mesh	8×12 Mesh	8×12 Mesh	8×12 Mesh
Diameter	mm	1.6-2.5	1.6-2.5	1.6-2.5	1.6-2.5
Bulk Density	g/mL	0.82-0.88	≥0.85	≥0.85	≥0.85
Crush Strength	N	≥80	≥70	≥70	≥70
Static Water Adsorption	wt. %	≥21.0	≥19.5	≥18.5	≥16.0
Dry Attrition	wt. %	≤0.1	≤0.1	≤0.1	≤0.1
Wet Attrition	wt. %	≤2.0	≤2.0	≤2.0	≤2.0
Moisture Content	wt. %	≤1.0	≤1.0	≤1.0	≤1.0

### Standard Packaging:

- 180 Kg / Iron Drum

### Attention:

- The product as adsorbent cannot be exposed in the open air and should be stored in dry condition with air-proof package.