

puriFlash® Dry-load assembly procedure

Packing list



Solid deposit

A solid deposit is used when the crude sample is insoluble or sparingly soluble in the starting eluent condition.
The crude sample (diluted in an appropriate solvent) is mixed with celite, silica or C18 at a ratio of 1 to 2g of sorbent per g of crude sample into a flask.
The mixture is evaporated under vacuum until a dry residue is obtained.
The mixture is loaded into a puriFlash® Dry-load cartridge.

N.B : Celite doesn't generate back pressure, doesn't interact with compounds, and improves the separation. Celite can be used in normal phase and reverse phase condition.

We recommend to carefully rid off air from the dryload by flushing it with an appropriate solvent before coupling to the column.

Description

Part number	Réf	Description	Cond	Max pressure
FO888A	PF-DLE-F0004	PURIFLASH DRY LOAD_EMPTY__F0004_FLASH COLUMN	20u	15 bar /220 psi
FO889A	PF-DLE-F0012	PURIFLASH DRY LOAD_EMPTY__F0012_FLASH COLUMN	20u	15 bar /220 psi
FL952A	PF-DLE-F0025	PURIFLASH DRY LOAD_EMPTY__F0025_FLASH COLUMN	20u	15 bar /220 psi
FO890A	PF-DLE-F0040	PURIFLASH DRY LOAD_EMPTY__F0040_FLASH COLUMN	20u	15 bar /220 psi
A2UPUA	PF-DLE-F0060	PURIFLASH DRY LOAD_EMPTY__F0060_FLASH COLUMN	10u	15 bar /220 psi
JV637A	PF-DLE-F0080	PURIFLASH DRY LOAD_EMPTY__F0080_FLASH COLUMN	5u	15 bar /220 psi
A2UPVA	PF-DLE-F0100	PURIFLASH DRY LOAD_EMPTY__F0100_FLASH COLUMN	5u	11 bar /160 psi
JV637A	PF-DLE-F0120	PURIFLASH DRY LOAD_EMPTY__F0120_FLASH COLUMN	5u	15 bar /220 psi
IV846A	PF-DLE-F0220	PURIFLASH DRY LOAD_EMPTY__F0220_FLASH COLUMN	5u	11 bar /160 psi
JV638A	PF-DLE-F0330	PURIFLASH DRY LOAD_EMPTY__F0330_FLASH COLUMN	5u	11 bar /160 psi



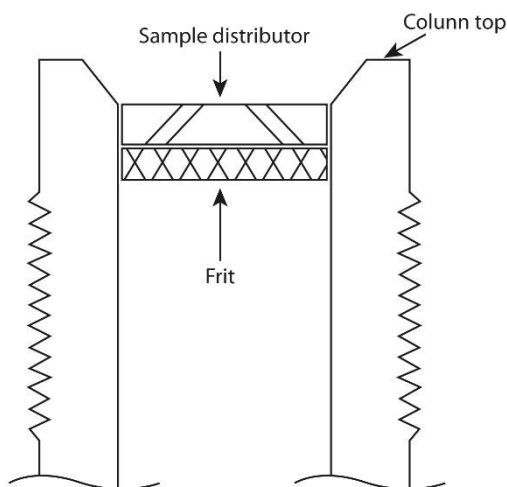
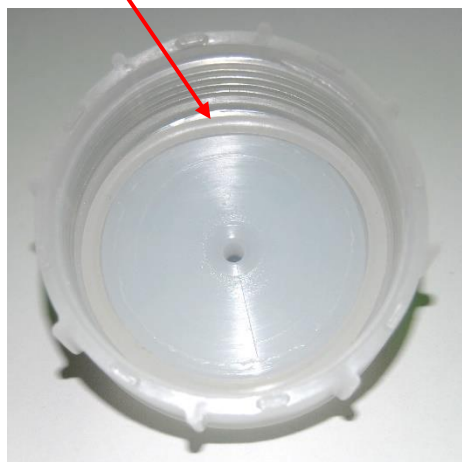
Assembly procedure

- 1) Remove the cap.
- 2) Add the solid deposit into the Dry-load.
- 3) Complete the Dry-load with celite, silica or sand.
- 4) Place the top frit.
- 5) Place the sample distributor for Dry-load F0040, F0060, F0080, F0100, F0120, F0220 & F0330.

Caution: The side of sample distributor which has radial channels and circular channels must be in contact with the top frit.



- 6) Stretch the O-ring, and place it in the cap.



- 7) Screw the cap and tighten by hand for the dry-load F0004, F0012, F0025, F0040, F0060, F0080, F0120. To avoid leakage for the Dry-load F0100, F0220 & F0330, a tool (P/N: JV0470) is advised to tighten the cap.
- 8) Dry-load have Luer connection at the bottom. Adapter can be removed to convert in Luer-Lock connection.



- 9) Remove the blue plug at the top and bottom of the Dry-load.
- 10) Dry-load is ready to use.

