



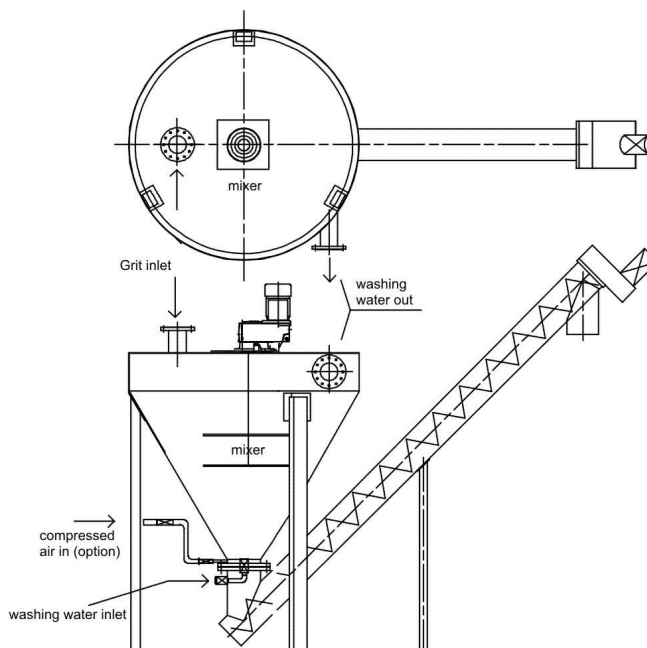
GRIT WASHER DF PP

APPLICATION

The grit washer DF PP is intended for removing organic and lightweight volatile contaminants from sand supplied from grit separator or grit classifier using municipal water or clean wastewater effluent; after washing, the content of organic matter is reduced to minimum and the grit may well be used for building applications, e.g. building foundation grit bed.

PRINCIPLE OF OPERATION

Grit from grit separator and grit classifier containing organic and volatile matter is supplied to grit washer to enter first a mixing and sedimentation chamber with a slowly rotating mixer. During raking and mixing of the grit lightweight organic particles are lifted by water supplied from the bottom towards outlet port. Water for washing is supplied intermittently to lower conical part of the unit; screw-type conveyor periodically removes clean grit, draining water by gravity, to the outside.



NOTE

- The DYNAMIK grit washer can optionally be provided with compressed air sand aeration system to assist lifting of suspended organic matter.
- The inlet, outlet and discharge port locations are each time selected to the site requirements.
- The body of unit is made of acid resistant steel. For outside installation, the washer can be provided with heating system.

SPECIFICATIONS

PARAMETER	UNIT	DF PP 200	DF PP 400
Output (amount of washed grit)	[m ³ /h]	0,2	0,4
Water content in washed grit *	[%]	~ 10	~ 10
Process water consumption *	[m ³ /h]	15 l/min	20 l/min
Required water pressure	[bar]	2	2
Total power input	[kW]	3	3
Washing water inlet		1"	1"

* values may differ insignificantly depending on grit content and grit separator effectiveness