

# KMPH

- MAGNETIC DISCAL DEAERATOR & DIRTSEPARATOR

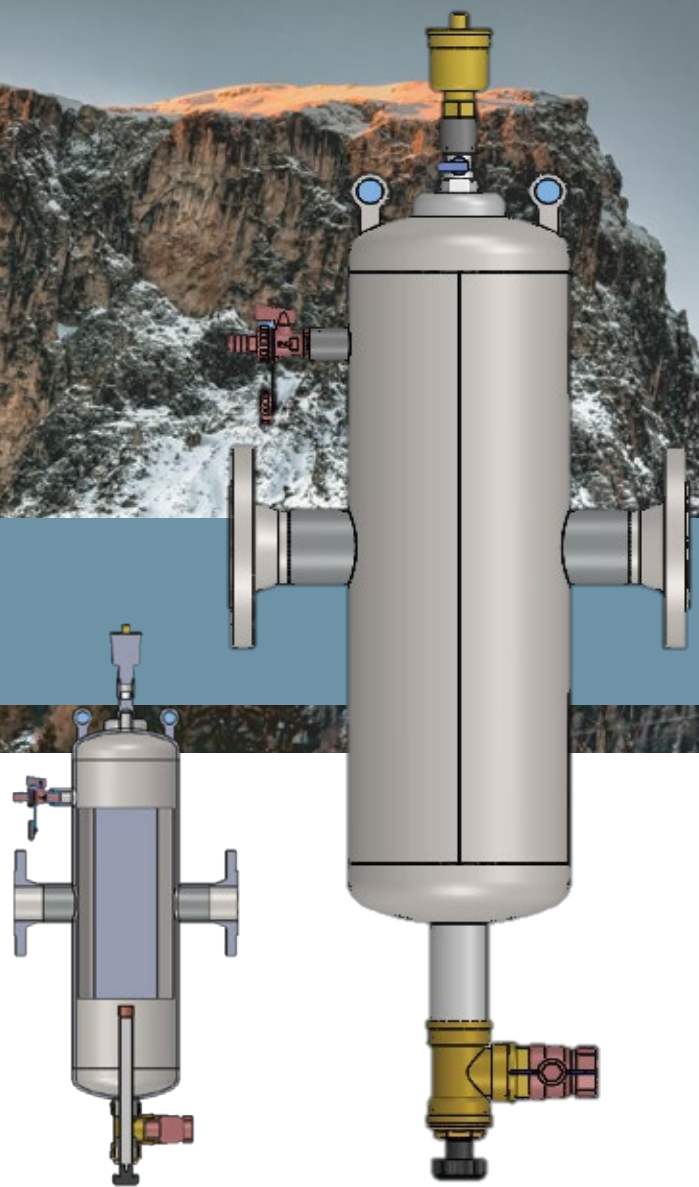
## SPECIFICATIONS / USAGE AREAS

KMPH series product provide air and dirt separation together in one unit. Due to the dual function it is cost and installation space efficient.

- If there are some limitations to install air and dirt separator separately the KMPH series will be the ideal solution.
- The efficient and continuous separation of air and impurities circulating in the heating system considerably increases the efficiency and service life of the whole system.
- Percentage of glycol in the heating system is maximum 50%
- The water flow rate is low based on the position of super strong Magnet in system. For this reason, the magnet catches even the smallest part. After which the relief valve is opened, the magnet is removed and accumulated parts in the chamber are ejected from the system. Providing to easy removal of magnet, a minimum height of KMPH Dirt Separator needs to be installed from the ground level is 300mm.

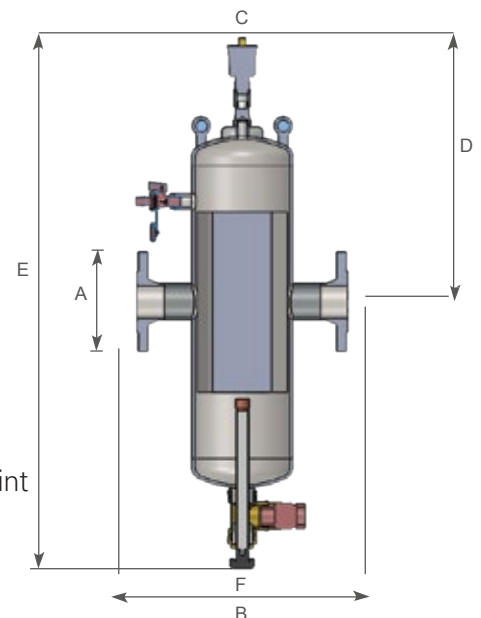
**Capacity** : 8,5 – 320,0 m<sup>3</sup>/sa  
**Maximum Operating Temperature** : 110 °C  
**Connection Flange / Pressure Class** : DN 50 – DN 300 / PN16 (EN1092-1)  
 (Please contact us for products larger than specified in this catalogue)

**Filter Material** : Stainless Steel  
**Exterior Surface Protection Paint** : DN50 – DN200 Electrostatic Powder Paint  
 : DN250 – DN300 Water Based Paint  
**Magnet** : Neodymium Magnet (11.300 Gauss)  
**Magnet probe** : Copper

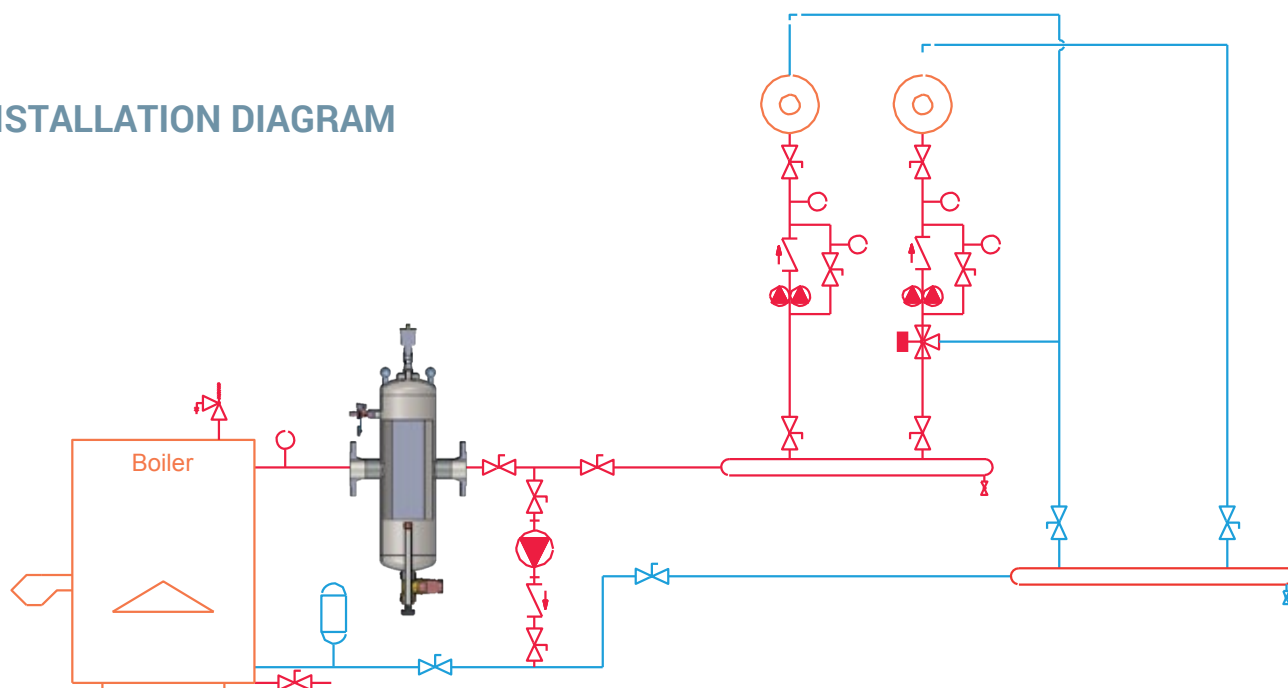


Side Section View

Outer Appearance



## INSTALLATION DIAGRAM



Installation diagram given above is just a template. Installation must be done according to update standards and directives.

### KPH-F FLANGED DEAERATOR-DIRT SEPARATOR

TYPE	A (DN)	Body Diameter (Ø)	B (mm)	C (inch)	D (mm)	E (mm)	F (inch)	Weight (kg)	Flow (m <sup>3</sup> /h)
KPH-F 50	DN 50	168	350	1/2"	375	862	1 1/4"	24	9
KPH-F 65	DN 65	168	350	1/2"	365	858	1 1/4"	22	14
KPH-F 80	DN 80	219	466	1/2"	445	1018	1 1/4"	34	21
KPH-F 100	DN 100	219	470	1/2"	445	1018	1 1/4"	38	35
KPH-F 125	DN 125	323	635	1/2"	550	1340	1 1/4"	75	54
KPH-F 150	DN 150	323	635	1/2"	550	1340	1 1/4"	91	83
KPH-F 200	DN 200	400	775	1/2"	570	1165	1 1/4"	89	140
KPH-F 250	DN 250	450	860	1/2"	650	1325	1 1/4"	118	220
KPH-F 300	DN 300	500	926	1/2"	745	1440	1 1/4"	150	315

### KPH-K WELDED DEAERATOR-DIRT SEPARATOR

TYPE	A (inch)	Body Diameter (Ø)	B (mm)	C (inch)	D (mm)	E (mm)	F (inch)	Weight (kg)	Flow (m <sup>3</sup> /h)
KPH-K 50	2"	168	260	1/2"	375	862	1 1/4"	24	9
KPH-K 65	2 1/2"	168	260	1/2"	365	858	1 1/4"	22	14
KPH-K 80	3"	219	366	1/2"	445	1018	1 1/4"	34	21
KPH-K 100	4"	219	366	1/2"	445	1018	1 1/4"	38	35
KPH-K 125	5"	323	525	1/2"	550	1340	1 1/4"	75	54
KPH-K 150	6"	323	525	1/2"	550	1340	1 1/4"	91	83
KPH-K 200	8"	400	650	1/2"	570	1165	1 1/4"	89	140
KPH-K 250	10"	450	716	1/2"	650	1325	1 1/4"	118	220
KPH-K 300	12"	500	769	1/2"	745	1440	1 1/4"	150	

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