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Filtri IKV

Suhi vrečasti filtri s pnevmatskim otresanjem vreč.

Prašni zrak vstopa v filter skozi sredinsko - bočno komoro v kateri se izločijo večji delci. Zatem prašni zrak prehaja skozi filtrske vreče iz zunanje na notranjo stran in se očisti na filtrski tkanini. Vreče so navlečene na filtrske kletke, ki preprečujejo deformiranje vreč zaradi razlike tlakov. Filtrska pogača, nabrana na vreči, se otrese s pomočjo komprimiranega zraka, kateri se vpihne v vrečo z notranje strani. S tem prah, nabran na zunanji strani vreče, pade v lijak. Čiščenje vreč se vrši med obratovanjem filtra. Za uspešno čiščenje potrebujemo komprimiran zrak pod pritiskom 4-6barov. Vpihovanje se krmili z elektronskim programatorjem, ki sproži impulz čiščenja ko je to potrebno (merilnik tlačnih razlik).

Pod filtrom je nameščen polžni dozator s prigrajenim zvezdastim dozatorjem, ki preprečuje cirkulacijo sekundarnega zraka v filter in hkrati odvaža prah iz filtra.

Glavni deli filtra so: ohišje filtracijskega dela, ohišje izpihovalnega dela, filtrske vreče in kletke, izpihovalni ventili, elektromagnetni ventili, zvezdasti dozator, polžni dozer, zbirni lijak, noge in vezi. Večji sestavni deli se med seboj vijačijo. Elementi glavnih sestavnih delov, pa so med seboj pretežno varjeni in to delavniško do tiste meje, ki še omogoča racionalen transport in montažo.

Osnovni material zbirnih lijakov in ohišja je jeklena pločevina St.37 debeline 3-8 mm; krivljene in ojačane z jeklenimi profili.

DUST COLLECTOR TYPE IKV

IKV filters are dry bag fabric filters.

Dirty air first enters in channel – this mean not directly in housing where filter bags are installed.

Cleaning of dusty air is carried-out while dusty air is passing through bag wall from outside to inside.

Bags are reinforced with cages to avoid collapsing as result of pressure differences. Cleaning of bags is cyclic with compressed air injection of 4-6bar through diffusers into bags. It is controlled by a special adjustable electronic programmer and it depends of Δp pressure difference (option). For dust conveying a screw feeder with attached rotary lock is positioned under filter's funnel. Rotary lock prevents circulation of secondary air into filter. Main component parts are screwed together. In some cases they are welded together during erection. Bag change is carried out easy, by drawing bags out of filter, from clean filter side, without entering in dirty side of filter.

There are single and double IKV filters type.

Double filter type consist of two similar units (left and right) connected together with inlet and outlet channel. Depend of available space, filter dimensions and design of dedusting line, we can use single or double type with the same filtering area.

Metal parts are made of St. 37 steel, thickness 3-8 mm, reinforced with profiles.