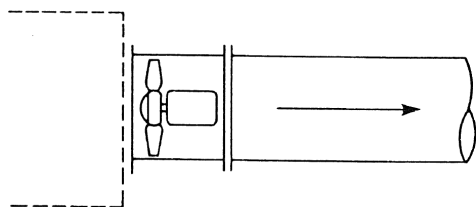


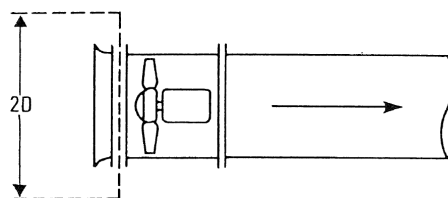
## Aanbevelingen bij het plaatsen en aansluiten van axiale ventilatoren

### Aanzuig en uitblaas



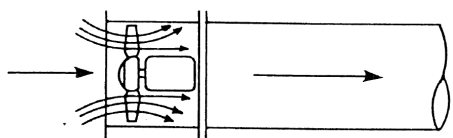
**WRONG**

Fig. 1. A sharp-edged fan inlet orifice reduces fan performance.



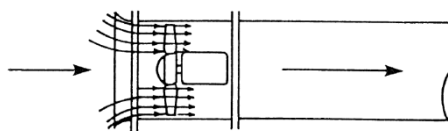
**RECOMMENDED**

Fig. 2. Fit a bell-mouth inlet to the fan.



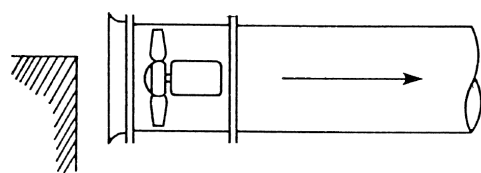
**WRONG**

Fig. 3. A flanged fan inlet starves the impeller blade tips of air reducing performance and increasing noise.



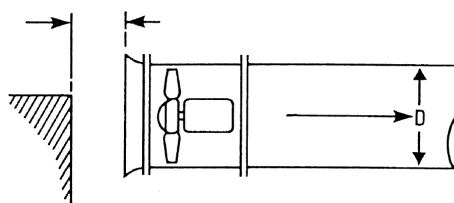
**RECOMMENDED**

Fig. 4. A bellmouth inlet guides air into the impeller blade tips.



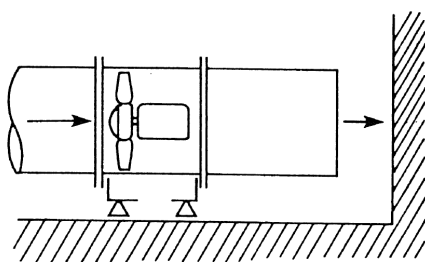
**WRONG**

Fig. 5. Avoid obstructions close to fan inlets. Part of impeller is starved of air.



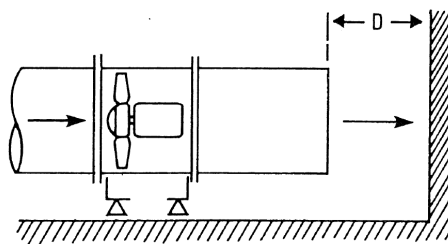
**RECOMMENDED**

Fig. 6. Allow a space of at least one diam. (D) at the fan inlet.



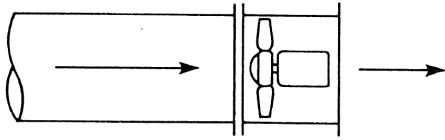
**WRONG**

Fig. 7. Avoid obstruction close to the fan outlet.



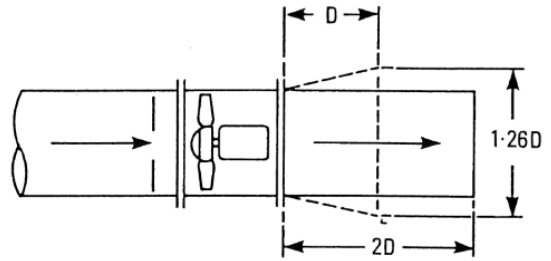
**RECOMMENDED**

Fig. 8. Allow a space of at least the fan diam. (D) at the fan outlet.



**WRONG**

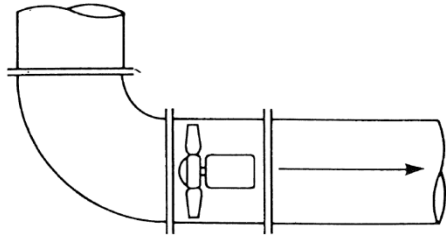
Fig. 9. Avoid fan terminating the discharge end of a system.



**RECOMMENDED**

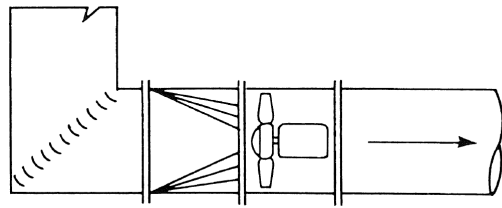
Fig. 10. Fit a duct length of 2D or an outlet expander  $D \times 1.26D$  after the fan at the discharge end. Extra ducting after the expander helps even more. See charts.

**Bochten en verloopstukken**



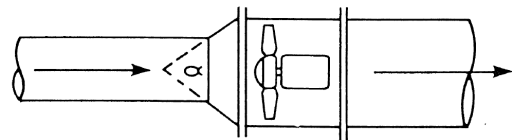
**WRONG**

Fig. 11. Fan performance suffers and noise is increased if a 90° circular section bend of small radius is used.



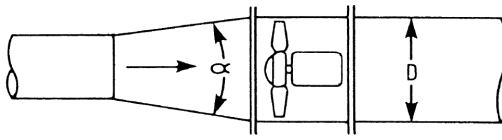
**RECOMMENDED**

Fig. 12. Use a square bend with short chord turning vanes. This is also preferable when air flow is in the opposite direction.



**WRONG**

Fig. 13. Do not use an expander of 30° or more immediately before or after a fan.



**RECOMMENDED**

Fig. 14. Ideally an expander immediately before a fan should not be more than 15°.



**Onze kantoren sluiten niet !**

**Wij staan de ganse zomer ter uwer beschikking !**

Wenst u onze newflash niet meer te ontvangen, gelieve dit te melden op [nancy.mertens@rucon.be](mailto:nancy.mertens@rucon.be).

**PRIJSVRAAG 9**

**Is het van belang waar je de axiaal ventilator in het kanalsysteem plaatst ?**

Gelieve uw antwoord, JA of NEEN, te mailen naar [newflash@rucon.be](mailto:newflash@rucon.be).

De winnaar, geloot uit alle correcte inzendingen, ontvangt een Bongo bon.

De winnaar van prijsvraag 8 wordt eerstdaags persoonlijk gecontacteerd.

