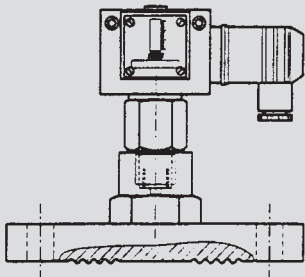


ZFV

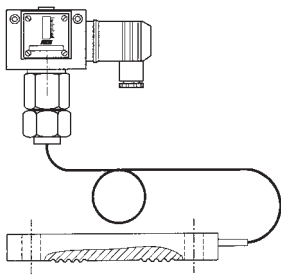
Pressure mediators / diaphragm seals



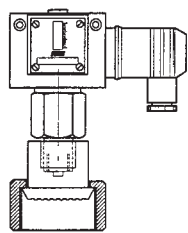
ZFV184-...

Technical data

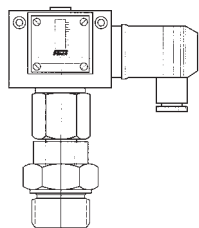
Flange dimensions	to DIN 2527, PN 40
Material	1.4571
Specification	Fully assembled, evacuated, filled and adjusted
Filling medium	M 20 food-safe
Max. permissible pressure	40 bar (applies to separating diaphragm only, the max. permissible pressure of the pressure switch or pressure transmitter must be observed)



ZFV185-...



ZFV162-50



ZFV749

Delivery up to approx. 4–6 weeks,
depending on the associated pressure switch.

attached to pressure switches
and pressure transmitters

A separating diaphragm or a pressure is necessary if aggressive, viscous or crystallizing media must be kept away from the actual pressure sensor. A pressure mediator is also indispensable to avoid cavities if easy cleaning of the supply lines is important. Special "milk pipe unions" according to DIN 11851 are customary for pressure monitoring in the

foodstuffs industry. Pressure and evaluating devices (pressure switches, pressure gauges) form a self-contained unit. The transmission fluid (filling medium) transmits the medium pressure from the separating membrane to the measuring element. The filling medium M 20 is food-safe and, being able to withstand temperatures from –40 to +300 °C, is also suitable for industrial applications.

Product Summary

Flanged pressure mediators made of stainless steel 1.4571, diaphragm flush to the front, flange to DIN 2527, PN 40

Type	DN	Pressure ranges** Pressure switch from	Temperature range* (filling medium)
ZFV184-50	50	0,3 bar	-40...120 °C
ZFV184-80	80	0,15 bar	-40...120 °C
with Teflon coating			
ZFV184-50PTFE	50	0,3 bar	-40...120 °C
ZFV184-80PTFE	80	0,15 bar	-40...120 °C

Flanged pressure mediators with 1 m pipeline, flange to DIN 2527, PN 40

ZFV185-50	50	0,3 bar	-30...300 °C
ZFV185-80	80	0,15 bar	-30...300 °C
with Teflon coating			
ZFV185-50PTFE	50	0,3 bar	-30...300 °C
ZFV185-80PTFE	80	0,15 bar	-30...300 °C

Pipeline up to a maximum of 10 m on request.

Pressure mediators for the foodstuffs industry with milk pipe connection according to DIN 11851

Type	DN	Pressure ranges** Pressure switch from	Temperature range* (filling medium)
ZFV162-50	50	0,4 bar	-30...120 °C
with Teflon coating			
ZFV162-50PTFE	50	0,4 bar	-30...120 °C

Varivent or Triclamp versions of the pressure mediator are available on request.

Screw-in pressure mediators

Flush connection. Use for pressure switches only, not for transmitters.

Type	DN	Pressure range** Pressure switch from	Temperature range* (filling medium)
ZFV749	G 1	0,5 bar	-30...120 °C
ZFV749-V191	G 1 with cooling piece	0,5 bar	-30...120 °C

* Please note that the temperature at the pressure switch must not exceed 60 °C for long periods.

** Can only be used for pressure ranges \geq the values stated in the table.