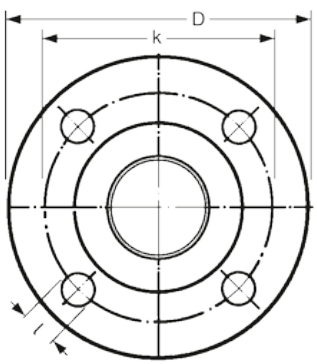
Configurator ERV Rubber Expansion Joints

Part Number: ERV-G 80.ASA 150 FVZ ZS

Note: Components not true to scale. Picture may differ from original product.

Bellows	**ERV-G 'Yellow Band'** YELLOW BAND expansion joints suitable for petroleum based products with aromatic content up to 50%, fuels (ethanol content up to 85%), aviation fuels, town gas and natural gas except liquefied petroleum gas. Temperature range (depending on medium) -20° C up to +90° C, temporarily up to +100° C. Electrically dissipative. Cover: Chloroprene CR Liner: Liner: NBR (nitrile), seamless, abrasion resistant Marking: Yellow band, ERV DN.., PN .., production date
Size DN	**DN 80 mm / 3"**
Length	**BL 130 mm**
Flange 1 Inlet	**ASME B16.5 Class 150 lb/sq. in** Dimension: D: 190,5 mm, 7 ½", k: 152,4 mm, 6", 4 holes, l: 19 mm, ¾"



Material 1 Inlet	**Hot-dip Galvanized Steel**
Flange 2 Outlet	**Same as first flange**
Material 2 Outlet	**Same as first material**
Limiters	**Tie rods with outer limitation** Tie rods with outer limitation For the mainly required axial limitation the shown types with integrated tie bars have proved well. The tie bars with high stability (steel 8.8) can be adjusted to the actual installation measurements. The tie bars lie elastically in noise reducing rubber bushes of weatherproof rubber. From DN 350 the tie rods lie in prinicipal in conical seats and spherical washers. When assembling ERV ZS/ZSS ensure that the nuts on the threaded rods are fixed with locking nuts. Please observe the Maximum admissible (L max) elongation of the bellows stated on our catalogue.
Accessories	**No further accessories**
Flame Protection	**Without flame protection** Without flame protection (Standard)

Flange 1 Outlet
Material 1 Outlet

Permissable Vacuum [mbar] for Type ERV-G

DN	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
no VSD / VSR	max.	max.	max.	max.	-700	-600	-400	-300	-300	-300	-200	-100									
with VSD				max.	max.	max.	max.	max.	max.	-600	-400	-200									
with VSR								max.	max.	max.	max.	max.	max.	max.	-700	-700	-700				
with VSRV															max.	max.	max.	max.	-700	-700	-700
with TAS				max.	max.	max.	max.	max.	max.	-600	-400	-200									
with TA	Nicht geeignet für Vakuum.																				

Data measured at room temperature with new expansion joints in standard length and non swelling media. For swelling media use a safety factor.
A compressed installation improves the in the table listed vacuum resistance. The maxium permittable elongation (L max.) reduces the vaccum resistance by 50%.
For this case we recommend to use vacuum support spirals or vaccum support rings (see catalogue page 468). Dependencies of overpressure, range of movement and temperature please see table on catalogue page 404.