

ASAHI AV Gaskets

A new tide for Tight

The special raw materials developed and produced by Asahi Yukizai Corporation gives ASAHI AV gaskets the best sealing performances and longest life time.

From water to aggressive acids or chemicals, the special compounds combined with the safe design make ASAHI AV gaskets the right solution wherever in the process. In comparison with standard gaskets, the increased flexibility of ASAHI AV gaskets provide long-lasting and a high degree of safety even in case of thermal expansion-contraction cycles or low pressure, and make installation easier than ever.

With the wide range of material selections for gaskets and laminates, ASAHI AV gaskets are suitable for most applications for both thermoplastic and metal piping systems.

Advantages

- Extreme safety

Higher compound flexibility guarantees optimal gasket behaviour in case of piping thermal contraction-expansion, reduced compression, pressure drop, or low pressure. ASAHI AV gaskets reach sufficient sealing performance at only 1/3 bolt tightening torque compared with other types of gaskets.

- Long-lasting

As a result of the enhanced "memory effect" (gasket's ability to return to its initial shape), ASAHI AV gaskets still perform properly even in case of pressure release after long-term usage, over-compression, or pressure drop.

- Easy installation

Thanks to ASAHI AV gaskets' low tightening torque.

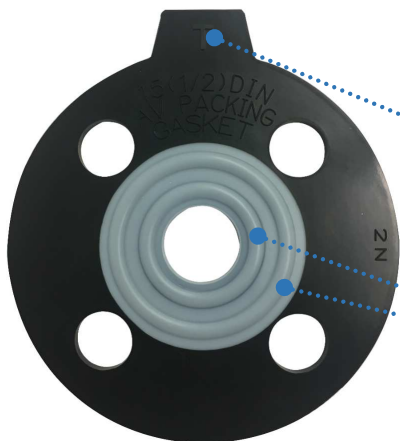
PTFE and PVDF bonded gaskets

For most demanding industrial and chemical processes, Asahi has developed special bonded gaskets produced with a unique method that guarantee:

- Perfect bonding between the EPDM gasket and the PTFE or PVDF laminate.
- No fragmentation or blistering of the laminate.

Not only for most aggressive chemicals but also in case of volatile media (fluids that generate gas) ASAHI AV gaskets have a superior resistance to gas permeability, and always keeps high elasticity and durability.

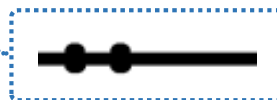




Full-face gasket with integrated double O-rings design ensures the highest degree of safety even in case of misalignment, reduced gasket compression, or pressure drop in the system.

Markings on the gasket for easy identification

Gasket with the integrated double O-ring design



Application

Industrial Metal and Plastic piping systems

Chemical processes

Pharmaceutical

Semiconductor industry

Water treatment

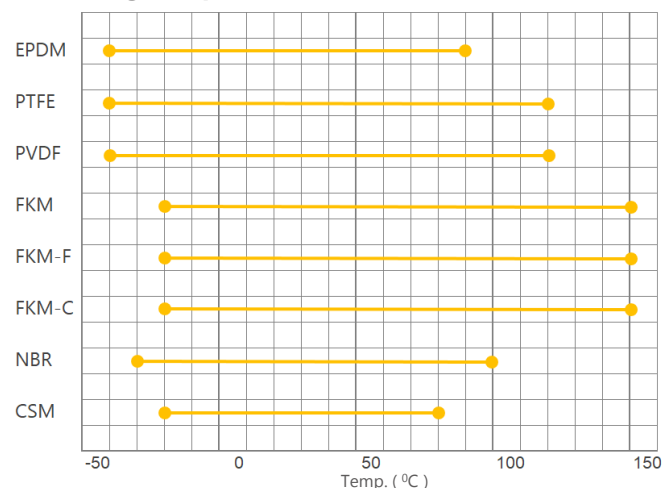
Irrigation

Specifications

Dimensions	DN15 – 400
Material	EPDM, FKM, FKM-F, FKM-C, NBR, CSM
Laminate	PTFE, PVDF
Design	Full-face with double O-rings
Standards	DIN, ANSI, JIS

See our technical catalogue for more details.

Working Temperature



Range

Material	Dimensions (DN)															
	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
EPDM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PTFE (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PVDF (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FKM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FKM-F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FKM-C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NBR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CSM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

(1) : PTFE bonded EPDM, (2) : PVDF bonded EPDM



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