

# ORIFICE FLANGE ASSEMBLIES

## MODEL : NOF

Model NOF Orifice Flange Assemblies are used in conjunction with Orifice Plates (Model NOP) for flow measurement of smaller or medium size pipes at lower or medium pressure ranges. The flange connection is of an RF type and the differential pressure tapping system is with flange taps.

### Standard Specifications

#### Nominal diameters :

20-mm (3/4") to 350-mm (14")

#### Flange ratings :

JIS 10、20、30 kg/cm<sup>2</sup> RF

ANSI (or JPI) 150、300、600 1b RF

(Note : ANSI and JPI flanges are identical except that bevel angles are different. )

#### Piping connection method :

JIS 10 kg/cm<sup>2</sup> : Insertion welding type (slip-on type)

JIS 20、30 kg/cm<sup>2</sup>、ANSI and JPI :  
Butt welding type (welded neck)

#### Flange material :

SF45A (\*2)、SUSF304、SUSF316

#### Differential pressure piping connection :

Select referring to the model number construction table.

#### Materials of bolts and nuts (\*3) :

Through-bolts : SNB7

Nuts : S45C

Jack bolts and nuts : S25C

#### Gaskets :

JIS 10、20 kg/cm<sup>2</sup>、and ANSI (or JPI) 150、300 lb

Material : Asbestos sheet gasket

Thickness : 1.5mm

Manufacturer's Type No. : V-1501AC or T-1100S

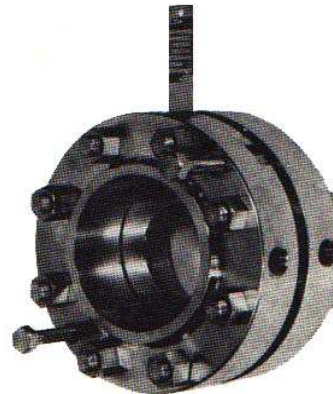
(Note : Vortex gaskets and other special types of gaskets also are available. )

JIS 30 kg/cm<sup>2</sup>、and ANSI (or JPI) 600 lb

Material : Vortex gaskets with inside and outside rings

Thickness : 4.5mm

Manufacturer's Type No. : V-596 or T-1834R (Inside/outside rings and hoops are made of SUS304. )



Slip-on Type



Welded Neck Type

#### Notes :

(\*1) : Other materials also are available.

Examples : SFHV12B (ASTM F1 equivalent) ,  
SFHV23B (ASTM F11 equivalent)

(\*2) : Yamatake-Honeywell standard SF45A steel is produced by forging JIS structural carbon steel S25C to provide an identical mechanical strength with that of JIS SF45A.

(\*3) : Select bolts and nuts depending on the fluid temperature and referring to the following table.

parts	Fluid temperature	
	-45°C or below	-45°C ~ -400°C
Bolts	SUS 304	SCM3
Nuts	SUS 304	S45C
Jack bolts and nuts	SUS 304	S25C

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