

# SINGLE FUNCTION PRESSURE CONTROLS

Type **SNS & HNS**

**SAGInoMIYA**

## GENERAL DESCRIPTION

- For use with fluorinated refrigerants as well as with air and water. (Allowable fluid temp.: -20 to 120°C)
- Type SNS for universal application.
- Type HNS for high pressure safety cut out.
- Available drip proof enclosure for marine application or explosion proof enclosure for special application.
- Mounting bracket is supplied as standard.
- With SPDT contact mechanism.
- IP44 with upper lid (option).
- Ammonia Models: Available upon request.

**CE** mark applicable (available upon request)

**UL** recognized (available upon request)



Type SNS



Type HNS

## TYPE NUMBER SELECTION (SPECIFICATIONS)

### Type SNS—Automatic Reset Type

Unit: MPa {kgf/cm<sup>2</sup>}

Catalog No.	Range		Differential		Factory Setting		Max. Working Pressure	Contact Function	Wt. (kg)
	Min.	Max.	Min.	Max.	Off (On)	On (Off)			
<b>SNS-C101X</b>	-0.06 {-50cmHg}	0.1 {1}	0.015 {0.15}	0.05 {0.5}	0.025 {0.25}	0.05 {0.5}	0.3 {3}	Diagram 1	0.33
<b>SNS-C102X</b>	-0.02 {-20cmHg}	0.2 {2}	0.025 {0.25}	0.15 {1.5}		0.15 {1.5}	0.5 {5}		
<b>SNS-C103X</b>	-0.06 {-50cmHg}	0.3 {3}	0.035 {0.35}	0.2 {2}	0.05 {0.5}	1 {10}			
<b>SNS-C104X</b>	-0.06 {-50cmHg}	0.4 {4}	0.04 {0.4}		0.1 {1}	0.2 {2}			
<b>SNS-C106X</b>	-0.06 {-50cmHg}	0.6 {6}	0.06 {0.6}	0.2 {2}	0.3 {3}	1.5 {15}			
<b>SNS-C110X</b>	0.1 {1}	1 {10}	0.1 {1}	0.3 {3}	0.4 {4}	0.6 {6}			
<b>SNS-C120X</b>	0.5 {5}	2 {20}	0.2 {2}	0.5 {5}	1.2 {12}	1.5 {15}	3 {30}		
<b>SNS-C130X</b>		3 {30}	0.3 {3}	1 {10}	2 {20}	2.5 {25}	3.3 {33}		
<b>SNS-C135X</b>	1 {10}	3.5 {35}	0.5 {5}	1.5 {15}	2.5 {25}	3 {30}	3.8 {38}		

### Type SNS—Manual Reset Type

Unit: MPa {kgf/cm<sup>2</sup>}

Catalog No.	Range		Manual Reset	* Factory Setting		Max. Working Pressure	Contact Function	Wt. (kg)
	Min.	Max.		Off	On			
<b>SNS-C102XM2</b>	-0.02 {-20cmHg}	0.2 {2}	Automatic operation on pressure decrease, and manual reset.	0.025 {0.25}	manual reset	0.5 {5}	Diagram 2	0.33
<b>SNS-C106XM2</b>	-0.06 {-50cmHg}	0.6 {6}		0.2 {2}		1.5 {15}		
<b>SNS-C130XM2</b>	0.5 {5}	3 {30}		2 {20}		3.3 {33}		

\* Based on the 1-3 terminal connection.

### Type HNS—Automatic Reset Type

Unit: MPa {kgf/cm<sup>2</sup>}

Catalog No.	Range		Differential	* Factory Setting		Max. Working Pressure	Contact Function	Wt. (kg)
	Min.	Max.		Off	On			
<b>HNS-C130X</b>	0.8 {8}	3 {30}	0.3 to 0.5 fixed {3 to 5 fixed}	2 {20}	1.6 {16}	3.3 {33}	Diagram 3	0.24

\* Based on the 1-3 terminal connection.

### Type HNS—Manual Reset Type

Unit: MPa {kgf/cm<sup>2</sup>}

Catalog No.	Range		Manual Reset	* Factory Setting		Max. Working Pressure	Contact Function	Wt. (kg)
	Min.	Max.		Off	On			
<b>HNS-C130XM1</b>	0.8 {8}	3 {30}	Automatic operation on pressure increase, and manual reset.	2 {20}	manual reset	3.3 {33}	Diagram 4	0.24

\* Based on the 1-3 terminal connection.

• Enclosure: IP20

• Drip Proof Models: Available upon request. (Refer to Pages 48, 49.)

