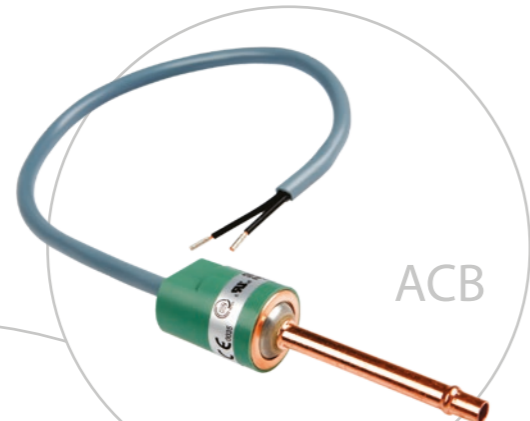
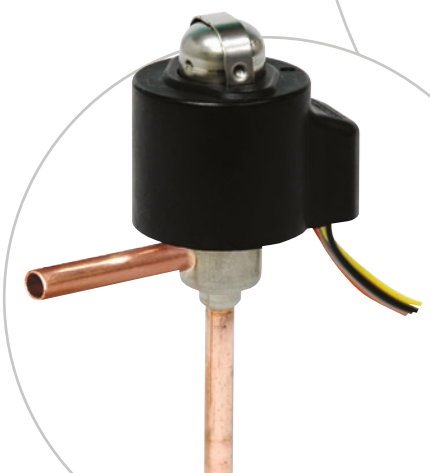




XNE



ACB



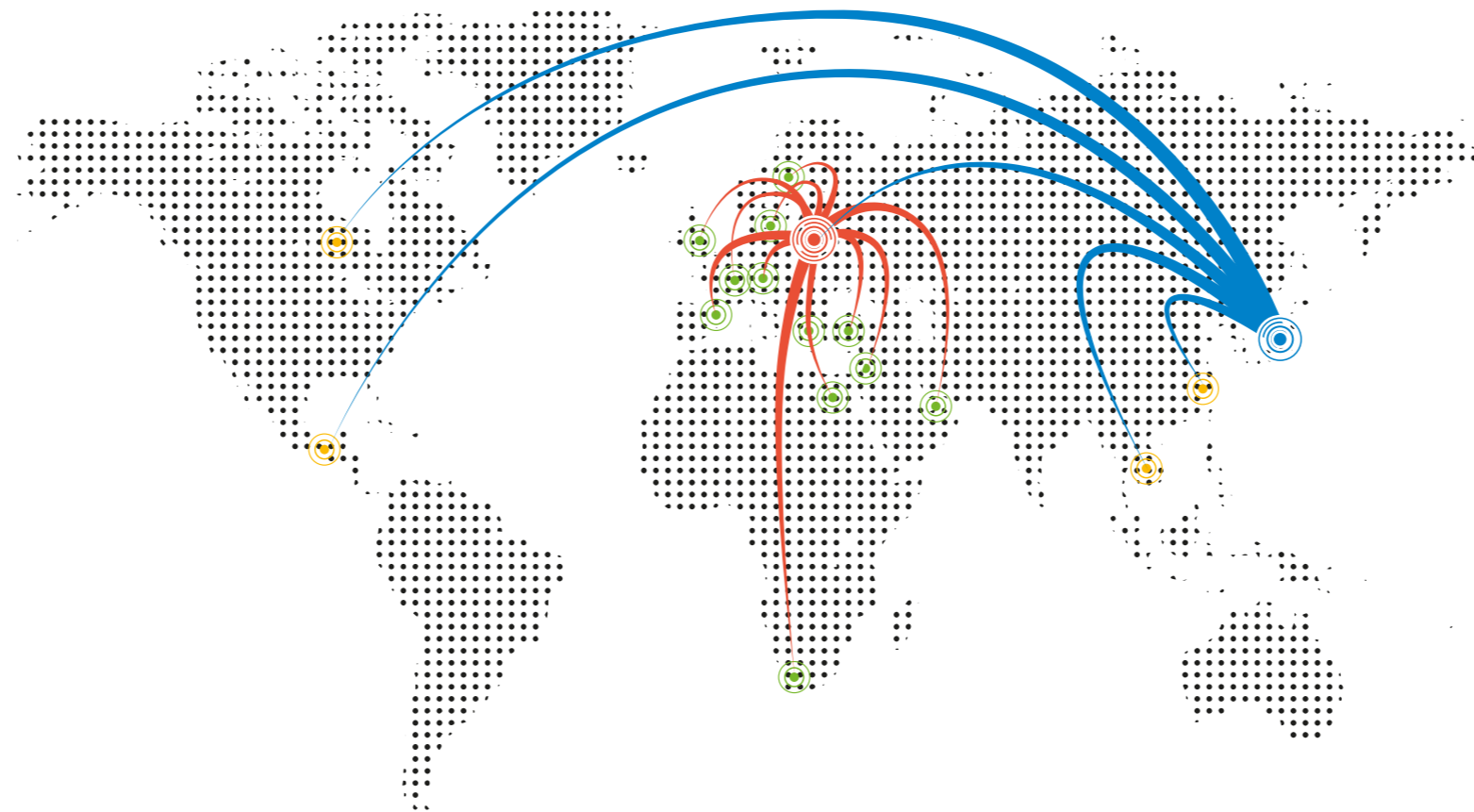
UKV



NSK

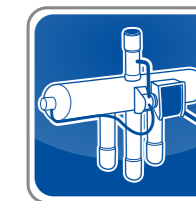


BCV



- Central Headquarters
- Europe Sales office
- Distributors
- Regional Sales offices

SAGInoMIYA
AUTOMATIC CONTROLS



STF, STF-H 4-Way Reversing Valve



SALES HEADQUARTERS:
SAGINOMIYA SEISAKUSHO, INC.
Shinjuku Garden Tower 22F
8-2, Okubo 3-chome, Shinjuku-ku
Tokyo, 169-0072 Japan
E-mail: inter@saginomiya.co.jp

EUROPE SALES OFFICE:
SAGINOMIYA EUROPE Sp. z o.o.
Address: Aleje Jerozolimskie 212
02-486 Warsaw, Poland
E-mail: info@saginomiya.eu
Telephone: +48 22 101 30 00

REGIONAL SALES OFFICES:
SAGINOMIYA AMERICA, INC.
Address: 655 Metro Place South suite 700,
Dublin, Ohio 43017, U.S.A.
E-mail: Sales@saginomiya-am.com

FOSHAN HUALU AUTOMATIC
CONTROLS LIMITED
Address: No.59 & 61, Wenhua Nan Road,
Chancheng District, Foshan, Guangdong, China
E-mail: salesdept@foshanhualu.com

Saginomiya (Thailand) Co., Ltd.
Address: 159 Serm-mit Tower 19th FL.,
Sukhumvit 21 Rd., North-Klongtoey, Wattana,
Bangkok 10110, Thailand
E-mail: info@saginomiya.co.th

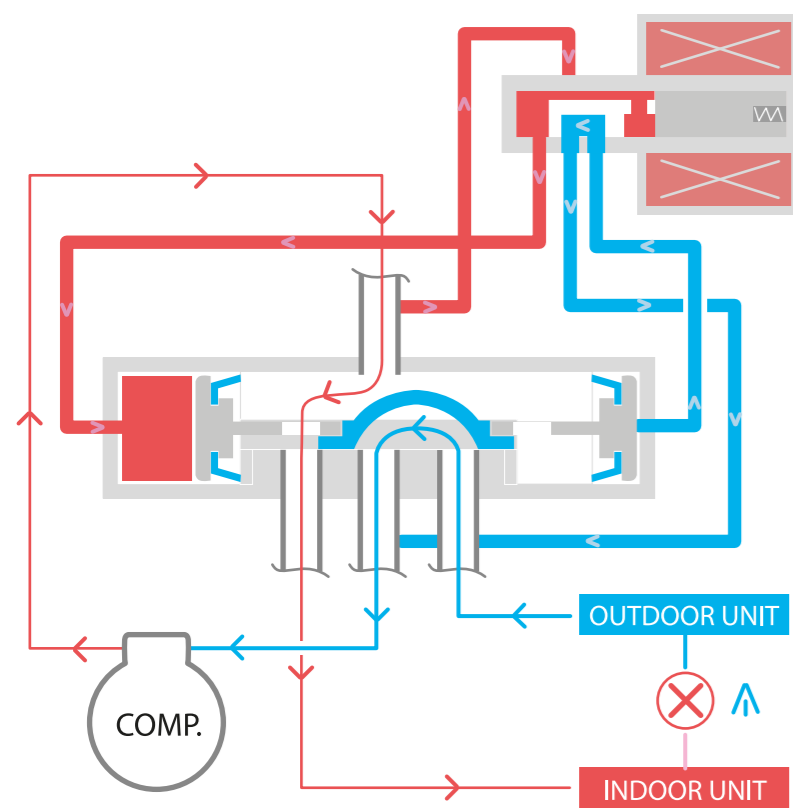
RIMSA SAGINOMIYA, S.A. DE C.V.
Address: Av. Central No. 126,
Parque Industrial Toluca 2000,
Km. 52.8 Carretera Toluca Naucalpan,
C.P. 50200, Toluca, Edo. De Mexico,
E-mail: rimsa@saginomiya.com.mx



SAGInoMIYA



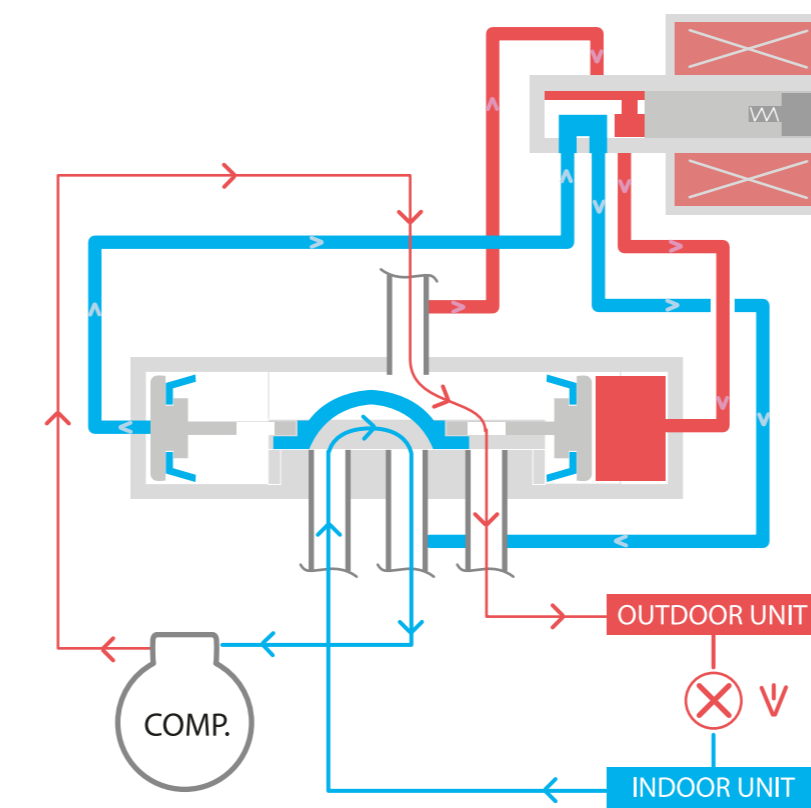
WINTER HEATING



Main advantages of Saginomiya 4-way reversing valves:

- Durable slider materials that withstand increased discharge temperatures.
- Unique slider construction that allows upside-down mounting.
- Special models optimized for variable speed compressors.
- Highest quality based on Japanese technology and over 30 years' experience.
- Possibility to manufacture customized models for OEM customers.

SUMMER COOLING



4-way reversing valves are mainly used in:

- Heating/cooling change over in air-conditioners.
- Heating/cooling or hot gas defrosting mode changes in heat pump units (Air to water, liquid to water, etc.).
- 4-way valves can be used in from small residential air conditioner to large chiller units.

General Description

4-way reversing valves are Saginomiya core products with over 30 years of experience in the field. It inverts the flow direction of refrigerant by turning on/off an electromagnetic coil on a small solenoid pilot valve which pilots the movement of the slider in the main valve body. The valve slider is specially designed to allow upside-down mounting and prevent incomplete changeover. The STF models offer a wide range of connection dimensions, configurations and capacity for specific applications.

STF & STF-H 4-WAY REVERSING VALVE

Series	Capacity [kW] R410A/Δp=0.1[bar]	Discharge		Suction	
		I.D. [mm]	O.D. [inch]	I.D. [mm]	O.D. [inch]
STF-H01	5,52	8,10	5/16"	9,70	3/8"
STF-H02	8,92	9,70	3/8"	12,95	1/2"
STF-H03	10,83	12,95	1/2"	16,15	5/8"
STF-H04	20,81	12,80	1/2"	19,15	3/4"
STF-H07	33,47 ~ 35,67	19,15	3/4"	22,30	7/8"
STF-15	37,37	22,50; 28,90	7/8"; 11/8"	28,90; 35,22	11/8"; 13/8"
STF-20	47,19	22,50; 28,90	7/8"; 11/8"	28,90; 35,20	11/8"; 13/8"
STF-25	72,19	25,70; 28,90	1"; 11/8"	32,05; 35,20; 41,70	11/4"; 13/8"; 15/8"
STF-30	102,12	28,50*; 32,05	11/8"***; 11/4"	38,40; 41,70	11/2"; 15/8"
STF-40	143,31	38,35; 41,20*	11/2"; 15/8"***	41,70; 45,15	15/8"; 13/4"
STF-50	184,29	38,35; 41,20*	11/2"; 15/8"***	54,40	21/8"
STF-60	303,61	41,20*; 51.20	11/2"; 15/8"***	67,00	25/8"

* O.D. (Outer Diameter).

** I.D. (Inner Diameter).

Capacity calculated for conditions: CT=38°C, ET=5°C, SH=5K, SC=0K.

COILS FOR 4-WAY REVERSING VALVE

Series	Rated voltage AC [V]						
	24	100	110	120	220	230	240
STF-01AB	×						
STF-01AC		×					
STF-01AD			×				
STF-01AE				×			
STF-01AI					×	×	×
STF-01AJ					×	×	×
STF-01AH					×		

All coils available with spades connectors or cables (standard length 600 mm, 1200 mm, 2000 mm).