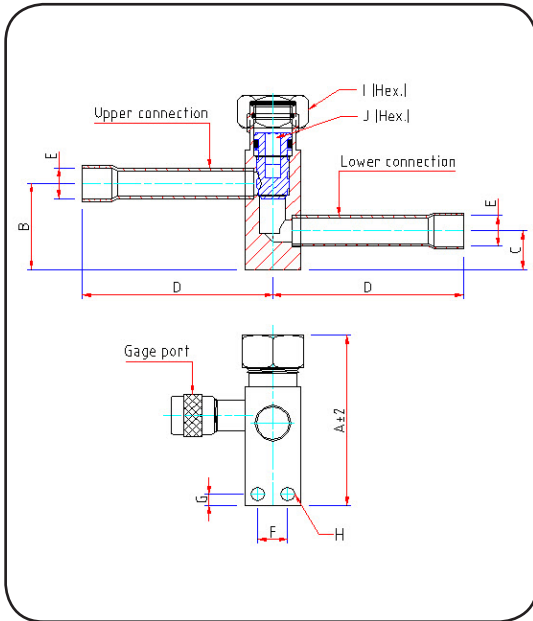


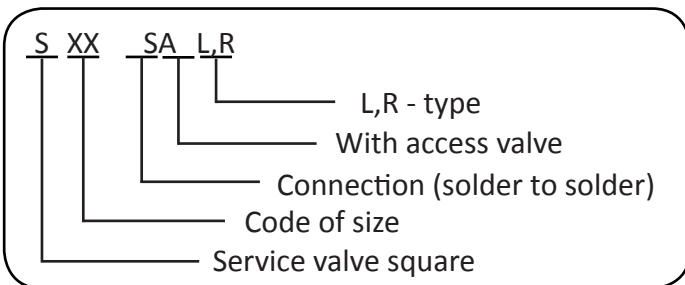
# SERVICE VALVE

## Square body



### Dimension : mm

Part No.	Description	Body size Square	A	B	C	D	E	F	G	H	I	J
			Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)
S22 SAL	Service valve 1/4 L - type	11/16" (17.46)	2.09 (53)	1.01 (25.7)	0.45 (11.5)	2.35 (59.7)	0.25 (Ø6.43)	0.36 (9.25)	0.14 (3.5)	0.167 (Ø4.25)	0.75 (19.05)	3/16" (4.76)
S22 SAR	Service valve 1/4 R - type											
S33 SAL	Service valve 3/8 L - type	11/16" (17.46)	2.09 (53)	1.01 (25.7)	0.45 (11.5)	2.35 (59.7)	0.37 (Ø9.6)	0.36 (9.25)	0.14 (3.5)	0.167 (Ø4.25)	0.75 (19.05)	3/16" (4.76)
S33 SAR	Service valve 3/8 R - type											
S44 SAL	Service valve 1/2 L - type	7/8" (22.22)	2.83 (72)	1.52 (38.6)	0.56 (14.2)	2.45 (62.2)	0.50 (Ø12.8)	0.56 (14.3)	0.14 (3.5)	0.167 (Ø4.25)	1" (25.4)	3/16" (4.76)
S44 SAR	Service valve 1/2 R - type											
S55 SAL	Service valve 5/8 L - type	7/8" (22.22)	2.83 (72)	1.52 (38.6)	0.56 (14.2)	2.45 (62.2)	0.63 (Ø16.02)	0.56 (14.3)	0.14 (3.5)	0.167 (Ø4.25)	1" (25.4)	3/16" (4.76)
S55 SAR	Service valve 5/8 R - type											
S66 SAL	Service valve 3/4 L - type	1" (25.4)	3.21 (81.5)	1.57 (40)	0.73 (18.5)	2.49 (63.2)	0.75 (Ø19.18)	11/16" (17.5)	0.14 (3.5)	0.167 (Ø4.25)	1.06 (27.0)	5/16" (7.93)
S66 SAR	Service valve 3/4 R - type											
S77 SAL	Service valve 7/8 L - type	1-1/8" (28.57)	3.43 (87)	1.57 (40)	0.64 (16.3)	2.56 (65.0)	0.88 (Ø22.4)	11/16" (17.5)	0.14 (3.5)	0.167 (Ø4.25)	1.18 (30.0)	5/16" (7.93)
S77 SAR	Service valve 7/8 R - type											



### Specification

1. For freon R12, R22, R502, R134a, R407C
2. Maximum working pressure 30 g/SQ CM., gauge(430 Psig.)
3. Operating temperature range: -28 °C to 100 °C



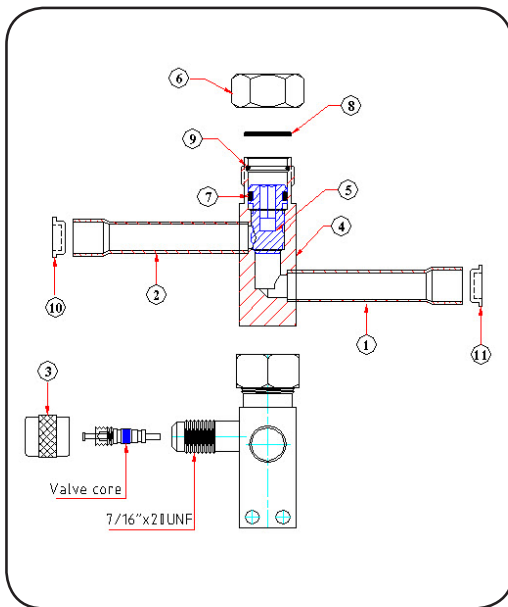
### GRAND D.K. CO., LTD.

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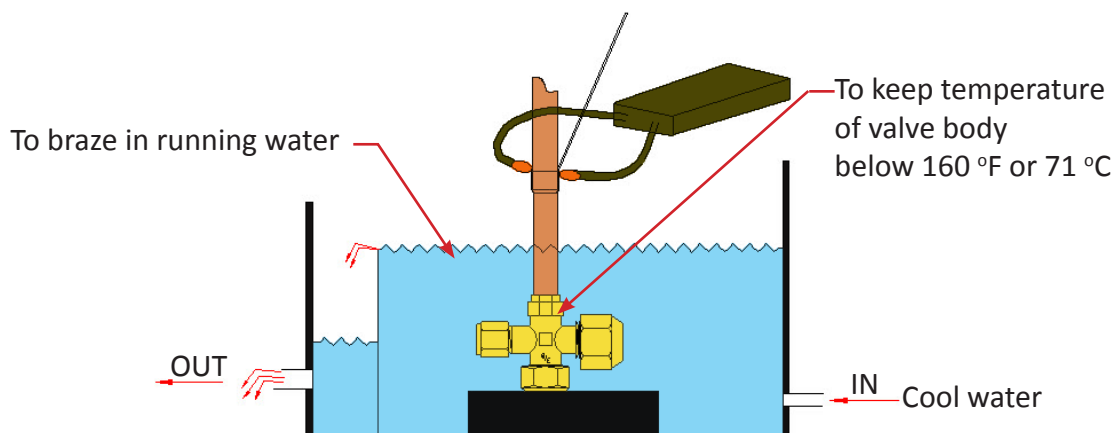
Email: [grand@loxinfo.co.th](mailto:grand@loxinfo.co.th)

[www.packedvalve.com](http://www.packedvalve.com), [www.servicevalve.com](http://www.servicevalve.com), [www.servicevalve.net](http://www.servicevalve.net)

MANUFACTURER



No.	Description	Material
1	Tube connection	Copper
2	Tube connection	Copper
3	Cap, charging port	Brass (C3604)
4	Body	Brass (C3604)
5	Plunger	Brass (C3601)
6	Cap, valve port	Brass (C3604)
7	O - ring	Neoprene
8	O - ring	Neoprene
9	Ring, Lock	Stainless Steel
10	Tube seal	LDPE
11	Tube seal	LDPE



**Brazing Intruction**

**Engineering Specification Data**

Description service valve	
<b>Construction</b>	<ul style="list-style-type: none"> <li>• Body(4) : Forged Brass (C3771)</li> <li>• Plunger(5) : Brass with O-ring tightening torque for seating: Size 1/4, 3/8 = 2.5 - 3.0 ft-lb. (3.4 - 4.0 N-m) Size 1/2, 5/8 = 10 - 12.5 ft-lb. (13 - 17 N-m) Size 3/4, 7/8 = 20 - 25 ft-lb. (27 - 34 N-m)</li> <li>• Seat : Metal contact seat</li> <li>• Service Port : 1/4 Sae – Flare with valve-core, Tightening torque for valve-core = 1.5-3.0 In-lb. (0.17-0.34 N-m)</li> <li>• Weld : By silver brazing, to withstand to 1100 deg.F (600 deg.C.)</li> </ul>
<b>Static Pressure</b>	• Maximum working pressure 430 Psig.(30kg./Sqcm. Gauge)
<b>Working Temperature</b>	• -28 °C To 100 °C (-20 °F To 212 °F)
<b>Refrigerant</b>	• R12, R22, R502, R134a, R407c
<b>Leak Test</b>	• 100% Leak test of valve functions (open and close) by bubble leak test with nitrogen at 450 Psig.(31kg./Sqcm. Gauge)



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**MANUFACTURER**