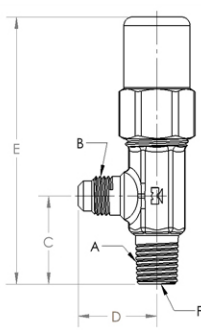




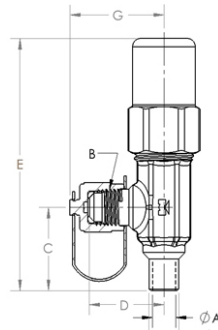
Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): 2031 psi, 140 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- For use with R744 refrigerant
- UL/cUL Recognized, Conforms to EU Pressure Equipment Directive and UK Pressure Equipment Regulation
- Forged brass body
- Corrosion resistant stem suitable for refrigerants and other industrial fluids
- Dual O-Ring design offers increased cycle life and decreased maintenance
- Designed for increased flow

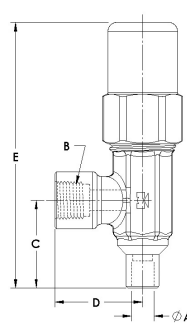
Transcritical CO₂, 140 bar, Non-Backseating



NPTFE Inlet to Flare



Solder to Flare



Solder to NPTFI

NPTFE Inlet to Flare

Part Number	NPTFE A in	Flare B in	C		D		E		F ODS	Torque				Standard Seal Cap Material	Replacement Seal Cap Brass	Wt	
			in	mm	in	mm	in	mm		Pack Gland ft-lb	Seal Cap N-m	ft-lb	N-m			lb	kg
AV1X-FA21A	1/4*	1/4	1.00	25	0.94	24	3.02	77	1/4	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	0.30	0.14

Solder to Flare

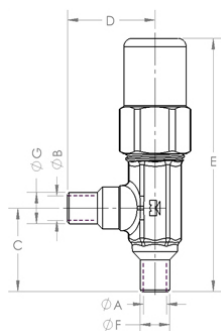
Part Number ^	Solder A in	Flare B in	C		D		E		F ODE	G To Cap		Torque				Standard Seal Cap Material	Replacement Seal Cap Brass	Flare Cap Material	Wt	
			in	mm	in	mm	in	mm		in	mm	Pack Gland ft-lb	Seal Cap N-m	ft-lb	N-m				lb	kg
AV1X-RA23B	1/4^	1/4	1.00	25	0.94	24	3.02	77	3/8	1.11	28	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	Brass	0.32	0.15
AV1X-SB26B	3/8^	3/8	1.00	25	1.11	28	3.02	77	1/2	1.50	38	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	Brass	0.38	0.17

Solder to NPTFI

Part Number ^	Solder A in	NPT B in	C		D		E		F ODE	Torque				Standard Seal Cap Material	Replacement Seal Cap Brass	Flare Cap Material	Wt	
			in	mm	in	mm	in	mm		Pack Gland ft-lb	Seal Cap N-m	ft-lb	N-m				lb	kg
AV1X-RK21A	1/4^	1/8	1.00	25	1.00	25	3.02	77	3/8	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	Brass	0.32	0.14

* 1/4 NPTFE also 1/4 Solder

^ 1/4 Solder also 3/8 FTG. 3/8 Solder also 1/2 FTG.


Solder to Solder
Solder to Solder

Part Number	ODS		C		D		E		F ODE		G ODE		Torque		Standard Seal Cap Material *	Replacement Seal Cap Brass *	Wt	
	A	B	in	mm	in	mm	in	mm	in	in	in	in	Pack Gland	Seal Cap			lb	kg
	in	in											ft-lb	N-m	ft-lb	N-m		
AV1X-RS21B	1/4	3/8	1.00	25	1.11	28	3.02	77	3/8	1/2	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	0.30	0.14
AV1X-SS21B	1/4	3/8	1.00	25	1.11	28	3.02	77	1/2	1/2	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	0.30	0.14
AV1X-RR21B	3/8	1/4	1.00	25	1.11	28	3.02	77	3/8	3/8	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	0.30	0.14
AV1X-SR21B	1/4	1/4	1.00	25	1.11	28	3.02	77	1/2	3/8	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	0.30	0.14

* 1/4 NPTFE also 1/4 Solder

^ 1/4 Solder also 3/8 FTG. 3/8 Solder also 1/2 FTG.