

## Special Application Gas Pigtails Style SF82 Monel® Hybrid

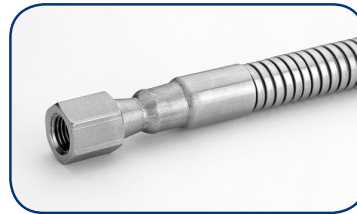
**Style SF82** is an extremely flexible and durable Monel Hybrid, all-metallic, all welded construction that provides a “zero permeation” pigtail. This pigtail features an all welded corrugated Monel inner core with Monel end fittings for applications ranging from oxygen service to corrosive gas service. Two stainless steel braids are used instead of Monel braids to provide higher pressure resistance. The optional flexible stainless steel armor can be added for additional safety. Each hose is branded with the pressure rating and date of manufacture.

### Style SF82 Monel® - 3000 PSIG Rated Monel® or SS Ends

NOMINAL HOSE I.D.	O.D. WITHOUT ARMOR	O.D. WITH ARMOR	NO. OF BRAIDS	DYNAMIC BEND RADIUS	WORKING PRESURE	BURST PRESSURE
1/4"	0.65"	0.79"	2	10.0"	3000 PSIG	12,000 PSIG

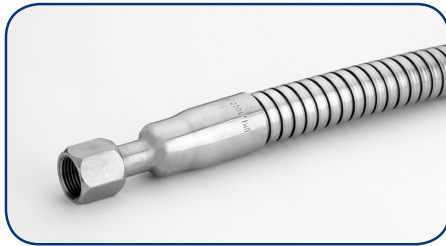
HOSE PART #	ENDS
SF82-025-84H-84H-xx"	1/4" Female NPT both ends
SF82-025-81-84H-xx"	1/4" Male x Female NPT
SF82-025-81-81-xx"	1/4" Male NPT both ends

- 1) Specify overall length – change xx" in part number to desired overall length.
- 2) Add **-A** after part number for stainless steel safety armor.
- 3) Add **-CCB** after part number for O2 cleaned assemblies - max length not to exceed 600".



**Caution: All metal hoses are susceptible to cracking if subjected to high velocity flow rates. See page 14 for information on velocity rate calculation.**

## Liquid Cylinder Hose UF21 "Ultraflex" Cryogenic



**Style UF21** "ultraflex" liquid cylinder hoses feature an extremely flexible stainless steel inner core that is very durable and well suited for cryogenic transfer applications. Ultraflex hose is ISO 10380 certified, and comes standard with machined flare ends and stainless steel hex nuts. Each hose is permanently stamped with the MAWP pressure rating and date of manufacture.

NOMINAL HOSE I.D.	O.D. WITHOUT ARMOR	O.D. WITH ARMOR	NO. OF BRAIDS	DYNAMIC BEND RADIUS	WORKING PRESURE	BURST PRESSURE
1/2"	0.79"	0.94"	1	4.9"	1160 PSIG	4640 PSIG

### Inert Service

ENDS	WITHOUT ARMOR CASING PART #	WITH ARMOR CASING PART #
CGA 295	UF21-050-25-25-xx"	UF21-050-25-25-xx"-A
3/8" MNPT x CGA 295	UF21-050-21(038)-25-xx"	UF21-050-21(038)-25-xx"-A
1/2" MNPT x CGA 295	UF21-050-21-25-xx"	UF21-050-21-25-xx"-A
CGA 295 x CGA 295 elbow	UF21-050-25-25(90)-xx"	UF21-050-25-25(90)-xx"-A

Specify overall length – change xx" in part number to desired overall length.

### Oxygen Service

ENDS	WITHOUT ARMOR CASING PART #	WITH ARMOR CASING PART #
CGA 440	UF21-050-25(063)-25(063)-xx"	UF21-050-25(063)-25(063)-xx"-A
3/8" MNPT x CGA 440	UF21-050-21(038)-25(063)-xx"	UF21-050-21(038)-25-xx"-A
1/2" MNPT x CGA 440	UF21-050-21-25(063)-xx"	UF21-050-21-25-xx"-A
CGA 440 x CGA 440 elbow	UF21-050-25-063-25(90)-063-xx"-CCB	UF21-050-25-063-25(90)-xx"-A-CCB

Other fittings are available. Contact Unisource for part number and other information.

Specify overall length – change xx" in part number to desired overall length.

Other fittings are available. Contact Unisource for part number and other information.

**Oxygen hoses are cleaned, capped, bagged, and certified clean for oxygen service per CGA G4.1 - max length not to exceed 600".**

Part #	Service	ACCESSORIES
SSL-CR90-8	Inert	S/S Elbow, Flare nut x male flare thread, CGA 295
SSL-CR90-10	Oxygen	S/S Elbow, Flare nut x male flare thread, CGA 440
J-574	Inert	Phase Separator, Bronze, 3/8" FNPT x 3" OAL
THS-NAS	Inert	S/S Quick-Fill, T-Handle Spin Adapter, Straight Style, CGA 295
THS-NAS-90	Inert	S/S Quick-Fill, T-Handle Spin Adapter, 90 Degree Style, CGA 295
THS-OS	Oxygen	S/S Quick-Fill, T-Handle Spin Adapter, Straight Style, CGA 440
THS-OS-90	Oxygen	S/S Quick-Fill, T-Handle Spin Adapter, 90 Degree Style, CGA 440



Other adapters available. Call for pricing.

## CGA Nuts & Nipples Brass & Stainless Steel

For CGA-296 brass hand-tight, specify 6296 nut and NP-123W soft-tip nipple.

SERVICE	PART #	TYPE	PRESSURES TO	DESCRIPTION
CGA-280	284	Nut	3000 PSI	Brass, .750-14 NGO, RH Fem
CGA-280	283	Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long
CGA-296	29-2	Nut	3000 PSI	Brass, .803-14 UNS-2A, RH Male
CGA-296	29-3	Nipple	3000 PSI	Brass, 1/4" NPT, 3" Long
CGA-296	29-3CV	CV Nipple	3000 PSI	Brass, 1/4" NPT, 3" Long w/ Check Valve

For CGA-300 hand-tight, specify 616-2 brass nut, or 616-2P plastic nut and 616-3 soft-tip nipple.

CGA-300	16-2	Nut	3000 PSI	Brass, .830-14 NGO, RH Female
CGA-300	16-3	Nipple	3000 PSI	Brass, 1/4" NPT, 2" Long
CGA-300	83-CV	CV Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long w/ Check Valve

For CGA-320 hand-tight, specify 6-CO-2 brass nut, or 6-CO-2P plastic nut and 6-CO-4 soft-tip nipple.

CGA-320	CO-2	Nut	3000 PSI	Brass, .750-14 NGO, RH Fem
CGA-320	CO-3	Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long
CGA-320	CO-4CV		3000 PSI	Brass, 1/4" NPT, 2-1/2" Long w/ Check Valve

For CGA-346 hand-tight, specify 614-2 brass nut, or 614-2P plastic nut and 614-5 soft-tip nipple.

CGA-346	14-2	Nut	3000 PSI	Brass, .750-14 NGO, RH Fem
CGA-346	14-3	Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long
CGA-346	14-3CV	CV Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long w/ Check Valve

For CGA-350 hand-tight, specify 682 brass nut and 683 soft-tip nipple.

CGA-350	82	Nut	3000 PSI	Brass, .750-14 NGO, RH Fem
CGA-350	83	Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long
CGA-350	83-CV	CV Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long w/ Check Valve

For CGA-350 hand-tight, specify 682 brass nut and 683 soft-tip nipple.

CGA-500	500-2	Nut	3000 PSI	Brass, .750-14 NGO, RH Fem
CGA-500	15-8	Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long
CGA-500	15-8CV	CV Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long w/ Check Valve

For CGA-510 hand-tight, specify 615-2 brass nut, or 615-P plastic nut and 615-3T soft-tip nipple.

CGA-510	15-2	Nut	3000 PSI	Brass, .750-14 NGO, RH Fem
CGA-510	15-8	Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long
CGA-510	15-8CV	CV Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long w/ Check Valve

For CGA-540 hand-tight, specify 662 brass nut, or 662P plastic nut and 663 soft-tip nipple.

CGA-540	62	Nut	3000 PSI	Brass, .750-14 NGO, RH Fem
CGA-540	63	Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long
CGA-540	63-CV	CV Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long w/ Check Valve

For CGA-580 hand-tight, specify 692 brass nut, or 692P plastic nut and 615-3T soft-tip nipple.

CGA-580	92	Nut	3000 PSI	Brass, .750-14 NGO, RH Fem
CGA-580	15-8	Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long
CGA-580	15-8CV	CV Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long w/ Check Valve

For CGA-590 hand-tight, specify 693 brass nut, and 615-3T soft-tip nipple.

CGA-590	93	Nut	3000 PSI	Brass, .750-14 NGO, RH Fem
CGA-590	15-8	Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long
CGA-590	15-8CV	CV Nipple	3000 PSI	Brass, 1/4" NPT, 2-1/2" Long w/ Check Valve