

COSMOSTAR[®] Total Solution for Fluid Handling Equipment

Global Leader Manufacturer of Quality Fluid Handling Equipment in Taiwan



PLURAL COMPONENT PROPORTIONING SYSTEM

Tough Designed Sprayer for Overall Industrial Protective Coatings

EXPERIENCE • QUALITY • CARE





COSMOSTAR-Handle with Care

Experience • Quality • Care

PLURAL COMPONENT AIRLESS SPRAYER

SD 100

COSMOSTAR SD100 Plural Component Sprayer is designed for spraying high viscosity fluid, high solid content material coating. The gravity feed, flush pump and fluid heater can be implemented to face the hardest environment and any coating applications.



TYPICAL APPLICATIONS

- Plural component materials
- Protective coatings
- Farm and construction equipment
- Truck and bus
- General metal fabrication
- Foam and elastomeric

APPLICABLE COATINGS

Epoxies • Polyurethanes • Waterborne
• Acid-catalyzed wood finishing materials • Stains, lacquers and varnishes • Sealants and adhesives



COSMOSTAR-Handle with Care

Experience • Quality • Care

PLURAL COMPONENT AIRLESS SPRAYER

SELECTION GUIDELINES

The **SD100** series are spraying and pumping systems that proportion and mix two-component fluids. The fixed ratio mechanical plural-component proportioning sprayer and pump accurately pump and proportion two-component materials by powering two or three positive displacement pump lowers. The mix ratio is fixed by selecting compatible sets of two or three lowers.



For spraying PU foam application, **COSMOSTAR SD60-24:1** with **mixing ratio 1:1** are designed to overcome the toughest job site environment. Equipped with two positive displacements can provide the most reliable mixing ratio and **COMPACT 6-inch** can always achieve your expectation about fluid atomization.

Typical Applications

Plural component materials
Protective coatings
Foam insulation

Typical Fluids Handled

Polyurethane Foam
Polyuria



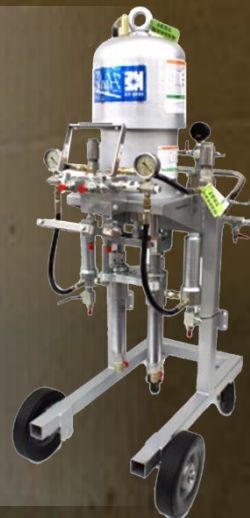
For spraying PU foam application, **COSMOSTAR PF70-34:1** with **mixing ratio 1:1** are designed to overcome the toughest job site environment. Equipped with two positive displacements can provide the most reliable mixing ratio and **FLASH 7-inch** can always achieve your expectation about fluid atomization.

Typical Applications

Plural component materials
Protective coatings
Foam insulation

Typical Fluids Handled

Polyurethane Foam
Polyuria





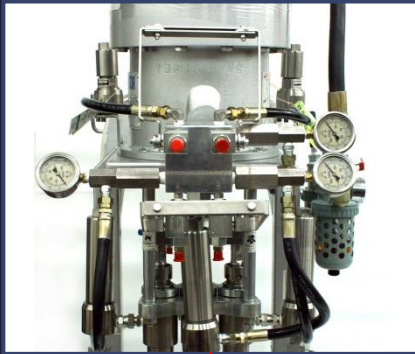
COSMOSTAR-Handle with Care

Experience • Quality • Care

PLURAL COMPONENT AIRLESS SPRAYER

HIGH PRESSURE RATIO

High pressure to handle high viscosity and high solid content coating. Rugged air motor body can stand any hardest applications environment.



FLUID MANIFOLD

The system of dual shut-off and dual drain valve can easily be started or stopped as well as fast process daily ratio-checked

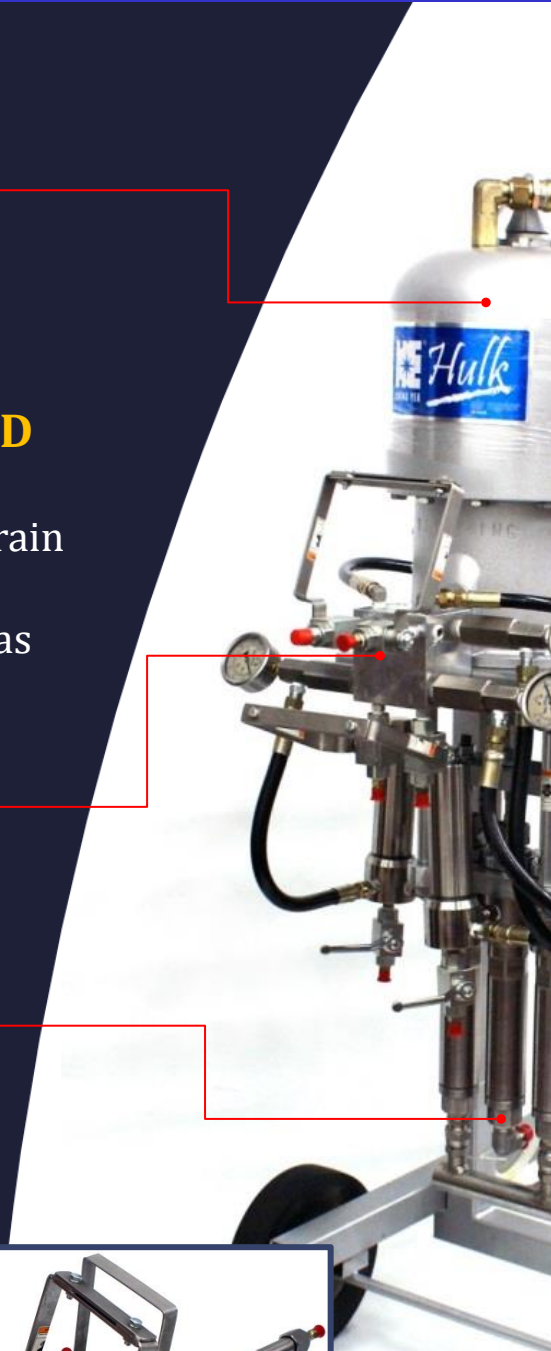
PRECISSION RATIO

Materials are proportioned by precision positive displacement pumps and mixed accurately



STATIC MIXER R2020

COSMOSTAR pneumatic based, explosion proof mix manifold, injector and airless gun ensure a proper mixing ratio for fast-curing materials to be either injected or sprayed.





COSMOSTAR-Handle with Care

Experience • Quality • Care

FEATURES & BENEFITS

AUTOMATIC SAFETY PRESSURE RELIEF

Protect pumping system from over-heating and exceeds its pressure limits

HEATING SYSTEM

Heating system upgradeable based on your need, which includes fluid heater **R0350**, heated tank and heated hose

SOLVENT FLUSH PUMP

Mounting with **COSMOSTAR ENCO** 4-inch high pressure flush pump, it can provide enough pressure force to push material out of manifold and mixing hose immediately

THREE-WHEEL CART

Three-wheel cart design provides the best mobility to move your equipment to any tough locations.

- ✓ High resistance and durability
- ✓ Two- and three-lower designs achieve a wide variety of mix ratios
- ✓ Two-lower design for a consistent 1:1 mix ratio
- ✓ Three-lower design provides mix ratios above 1:1 for balanced pumping
- ✓ Provides accurately mixed and proportioned material on demand
- ✓ Reduces material and solvent waste





COSMOSTAR-Handle with Care

Experience • Quality • Care

PLURAL COMPONENT AIRLESS SPRAYER

PF SERIES

SD 70

Getting the “right and accurate” equipment is the most important consideration in coating PU foam and polyurea, or any 2K material.

COSMOSTAR PF series can always be your solution by providing high power output with precision mixing ratio.



Technical Data **PF70 34:1**

Air Motor Diameter	7-inch (FLASH)
Mix Ratio	1:1
Pressure Ratio	34:1
Maximum Fluid Working Pressure	281 bar (4080 psi)
Maximum Air Input Pressure	8.3 bar (120 psi)
Maximum Volume Flow Rate	10.2 LPM (2.68 GPM)
Volume Per Cycle	170 cc
Maximum Recommended Pump Speed	60 cycles per min
Air Inlet Size	1/2 npt(f)
Fluid Inlet Size	3/4 npt(f)
Fluid Outlet Size	3/8 npt(f)

Includes:

- Air Regulator with Air Gauge Assembly
- R0927 3/8" High Pressure Fluid Filters
- Fluid Manifold
- Automatic Safety Pressure Relief
- Non Return Valve



COSMOSTAR-Handle with Care

Experience • Quality • Care

PLURAL COMPONENT AIRLESS SPRAYER

SD SERIES



Technical Data **SD60 12:1**

Air Motor Diameter	6-inch (COMPACT)
Mix Ratio	1:1
Pressure Ratio	12:1
Maximum Fluid Working Pressure	100 bar (1440 psi)
Maximum Air Input Pressure	8.3 bar (120 psi)
Maximum Volume Flow Rate	7.44 LPM (2.0 GPM)
Volume Per Cycle	124 cc
Maximum Recommended Pump Speed	60 cycles per min
Air Inlet Size	3/8 npt(f)
Fluid Inlet Size	3/4 npt(f)
Fluid Outlet Size	3/8 npt(f)

HIGH PRESSURE RATIO

- M006 **COMPACT** 6-in air motor
- Up to 1440 psi
- Polyurethane Foam Application

PRECISION MIXING RATIO

- Precise proportion 1:1 ratio
- Two **LS062C** Displacement Pumps
- Available in two types material: Carbon Steel or Stainless Steel

HIGH DURABILITY AND MOBILITY

- Tough frame
- Two-wheel cart design

SD 60

INCLUDES:

- Air Regulator with Air Gauge Assembly
- R0927 : **COSMOSTAR** R0927 3/8" High Pressure Fluid Filters-2 Set
- 50' x 1/4" HP Catalyst Hose
- 50' X 1/4" HP Resin Hose

OPTIONAL:

- P0201: **COSMOSTAR** HI-FLUX 1:1 Transfer Pump-2 unit
- 1000KW 55-gallon Drum Heater-2 unit
- **COSMOSTAR** 0705-200L Agitator-2 unit
- GRACO Fusion CS External Mixing Gun
- **COSMOSTAR** Well-Mix External Mixing Gun



COSMOSTAR-Handle with Care

Experience • Quality • Care

PLURAL COMPONENT AIRLESS SPRAYER

PF SERIES

PF 100

Getting the “right and accurate” equipment is the most important consideration in coating PU foam and polyurea, or any 2K material.

COSMOSTAR PF series can always be your solution by providing high power output with precision mixing ratio.



Technical Data **PF100 50:1**

Air Motor Diameter	10-inch (KING)
Mix Ratio	1:1
Pressure Ratio	50:1
Maximum Fluid Working Pressure	350 bar (500 psi)
Maximum Air Input Pressure	7.0 bar (100 psi)
Maximum Volume Flow Rate	13.5 LPM (3.5 GPM)
Volume Per Cycle	250 cc
Maximum Recommended Pump Speed	60 cycles per min
Air Inlet Size	1/2 npt(f)
Fluid Inlet Size	3/4 npt(f)
Fluid Outlet Size	3/8 npt(f)

Includes:

- Air Regulator with Air Gauge Assembly
- R0927 3/8" High Pressure Fluid Filters
- Fluid Manifold
- Automatic Safety Pressure Relief
- Non Return Valve



COSMOSTAR-Handle with Care

Experience • Quality • Care

PLURAL COMPONENT AIRLESS SPRAYER

PF SERIES

PF70

Getting the “right and accurate” equipment is the most important consideration in coating PU foam and polyurea, or any 2K material.

COSMOSTAR PF series can always be your solution by providing high power output with precision mixing ratio.



Technical Data **PF70 34:1**

Air Motor Diameter	7-inch (FLASH)
Mix Ratio	1:1
Pressure Ratio	34:1
Maximum Fluid Working Pressure	281 bar (4080 psi)
Maximum Air Input Pressure	8.3 bar (120 psi)
Maximum Volume Flow Rate	10.2 LPM (2.7 GPM)
Volume Per Cycle	170 cc
Maximum Recommended Pump Speed	60 cycles per min
Air Inlet Size	1/2 npt(f)
Fluid Inlet Size	3/4 npt(f)
Fluid Outlet Size	3/8 npt(f)

Includes:

- Air Regulator with Air Gauge Assembly
- R0927 3/8" High Pressure Fluid Filters
- Fluid Manifold
- Automatic Safety Pressure Relief
- Non Return Valve



COSMOSTAR-Handle with Care

Experience • Quality • Care

PLURAL COMPONENT AIRLESS SPRAYER

PF SERIES



Technical Data **PF60** 24:1

Air Motor Diameter	6-inch (COMPACT)
Mix Ratio	1:1
Pressure Ratio	24:1
Maximum Fluid Working Pressure	200 bar (2880 psi)
Maximum Air Input Pressure	8.3 bar (120 psi)
Maximum Volume Flow Rate	4.4 LPM (1.16 GPM)
Volume Per Cycle	74 cc
Maximum Recommended Pump Speed	60 cycles per min
Air Inlet Size	3/8 npt(f)
Fluid Inlet Size	3/4 npt(f)
Fluid Outlet Size	3/8 npt(f)

HIGH PRESSURE RATIO

- M006 **COMPACT** 6-in air motor
- Up to 1440 psi
- Polyurethane Foam Application

PRECISION MIXING RATIO

- Precise proportion 1:1 ratio
- Two **LS062C/LS037C** Displacement Pumps
- Available in two types material: Carbon Steel or Stainless Steel

HIGH DURABILITY AND MOBILITY

- Tough frame
- Two-wheel cart design

PF 60

INCLUDES:

- Air Regulator with Air Gauge Assembly
- R0927 : **COSMOSTAR** R0927 3/8" High Pressure Fluid Filters-2 Set
- 50' x 1/4" HP Catalyst Hose
- 50' X 1/4" HP Resin Hose

OPTIONAL:

- P0204: **COSMOSTAR** HI-FLUX 1:1 Transfer Pump-2 unit
- 1000KW 55-gallon Drum Heater-2 unit
- **COSMOSTAR** 0705-200L Agitator-2 unit
- GRACO Fusion CS External Mixing Gun
- **COSMOSTAR** Well-Mix External Mixing Gun



COSMOSTAR-Handle with Care

Experience • Quality • Care

SD100 SERIES SPECIFICATIONS

SELECTION GUIDE

1. CHOOSE THE MIXING RATIO

The mixing ratio is usually set and conditioned by the materials manufacturers.

2. CHOOSE YOUR WORKING PRESSURE RATIO OR MAXIMUM PRESSURE

Select a pressure ratio that will allow the proportioner to deliver the required amount of fluid pressure for the application. This is determined by material viscosity and setup parameters.



		SD100 1:1		SD100 2:1		SD100 3:1	
Model	Air Motor Type	HULK 10-inch		HULK 10-inch		HULK 10-inch	
	Displacement Pump A	LS085C – 1	LC085C – 1	LS085C – 2	LC085C – 2	LS113C – 2	LC113C – 2
	Displacement Pump B	LS085C – 1	LC085C – 1	LS085C – 1	LC085C – 1	LS073C – 1	LC073C – 1
	Model	Stainless Steel Carbon Steel		Stainless Steel Carbon Steel		Stainless Steel Carbon Steel	
Specification	Mix Ratio	1:1		2:1		3:1	
	Pressure Ratio	68:1		45:1		40:1	
	Maximum Fluid Working Pressure	276 bar (6800 psi)		310 bar (4500 psi)		276 bar (4000 psi)	
	Maximum Air Input Pressure	6.9 bar (100 psi)		6.9 bar (100 psi)		6.9 bar (100 psi)	
	Maximum Flow Rate	10.2 LPM (2.68 GPM)		15.2 LPM (4.0 GPM)		18.0 LPM (4.7 GPM)	
	Volume Per Cycle	170 cc		253 cc		300 cc	
	Air Inlet Size	3/4 pt (f)		3/4 pt (f)		3/4 pt (f)	
	Fluid Inlet Size	3/4 pt (f)		3/4 pt (f)		3/4 pt (f)	
	Fluid Outlet Size	3/8 pt (f)		3/8 pt (f)		3/8 pt (f)	
	Maximum Operating Temperature	82°C (180°F)		82°C (180°F)		82°C (180°F)	



COSMOSTAR-Handle with Care

Experience • Quality • Care

SD70 SERIES SPECIFICATIONS

SELECTION GUIDE

SD70 is ideal for low pressure airless coating applications which has same flow rate as SD100 which can handle medium viscosity material, and equipped with 7-inch Flash air motor .



		SD70 1:1		SD70 2:1		SD70 3:1	
Model	Air Motor Type	FLASH 7-inch		FLASH 7-inch		FLASH 7-inch	
	Displacement Pump A	LS085C – 1	LC085C – 1	LS085C – 2	LC085C – 2	LS113C – 2	LC113C – 2
	Displacement Pump B	LS085C – 1	LC085C – 1	LS085C – 1	LC085C – 1	LS073C – 1	LC073C – 1
	Model	Stainless Steel Carbon Steel		Stainless Steel Carbon Steel		Stainless Steel Carbon Steel	
Specification	Mix Ratio	1:1		2:1		3:1	
	Pressure Ratio	34:1		20:1		18:1	
	Maximum Fluid Working Pressure	281 bar (4080 psi)		166 bar (2400 psi)		149 bar (2160 psi)	
	Maximum Air Input Pressure	8.3 bar (120 psi)		8.3 bar (120 psi)		8.3 bar (120 psi)	
	Maximum Flow Rate	10.2 LPM (2.68 GPM)		15.2 LPM (4.0 GPM)		18.0 LPM (4.7 GPM)	
	Volume Per Cycle	170 cc		253 cc		300 cc	
	Air Inlet Size	1/2 pt (f)		1/2 pt (f)		1/2 pt (f)	
	Fluid Inlet Size	3/4 pt (f)		3/4 pt (f)		3/4 pt (f)	
	Fluid Outlet Size	3/8 pt (f)		3/8 pt (f)		3/8 pt (f)	
Maximum Operating Temperature		82°C (180°F)		82°C (180°F)		82°C (180°F)	



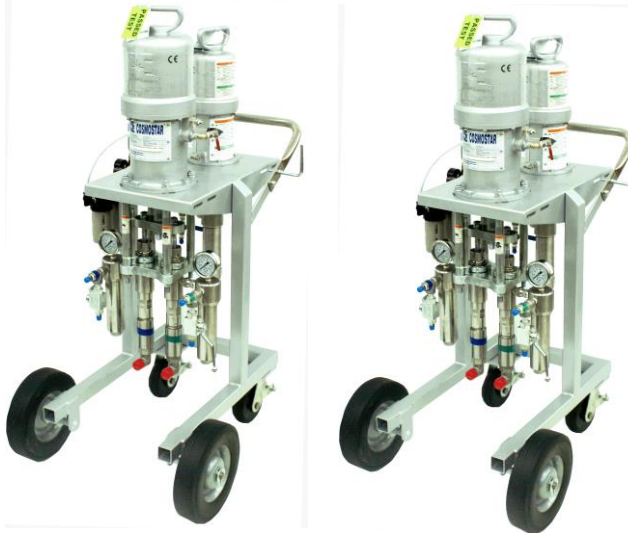
COSMOSTAR-Handle with Care

Experience • Quality • Care

SD60 SERIES SPECIFICATIONS

SELECTION GUIDE

SD70 is ideal for low pressure airless coating applications which has same flow rate as SD100 which can handle medium viscosity material, and equipped with 7-inch Flash air motor .



		SD60 1:1		SD60 1:1	
Model	Air Motor Type	Compact 6-inch		Compact 6-inch	
	Displacement Pump A	LS037C – 1	LC037C – 1	LS062C – 1	LC062C – 1
	Displacement Pump B	LS037C – 1	LC037C – 1	LS062C – 1	LC062C – 1
	Model	Stainless Steel Carbon Steel		Stainless Steel Carbon Steel	
Specification	Mix Ratio	1:1		1:1	
	Pressure Ratio	24:1		12:1	
	Maximum Fluid Working Pressure	200 bar (2880 psi)		100 bar (1440 psi)	
	Maximum Air Input Pressure	8.3 bar (120 psi)		8.3 bar (120 psi)	
	Maximum Flow Rate	4.4 LPM (1.68 GPM)		7.6 LPM (2.0 GPM)	
	Volume Per Cycle	74 cc		124 cc	
	Air Inlet Size	3/8 pt		3/8 pt	
	Fluid Inlet Size	3/4 pt		3/4 pt	
	Fluid Outlet Size	3/8 pt		3/8 pt	
	Maximum Operating Temperature	82°C (180°F)		82°C (180°F)	



COSMOSTAR-Handle with Care

Experience • Quality • Care

PF SERIES SPECIFICATIONS

3. CHOOSE YOUR DESIREABLE FLOW RATE

From the possible choices of fluid to air ratio, select one that exceeds the total flow requirements of the application device(s) by approximately 30%. This provides an adequate application factor for such variables as tip or nozzle wear and pump or motor characteristics.



Model	PF100		PF70		PF70	
	KING 10-inch		FLASH 7-inch		FLASH 7-inch	
Air Motor Type	KING 10-inch		FLASH 7-inch		FLASH 7-inch	
Displacement Pump A	LS113C - 1	LC113C - 1	LS113AC - 1	LC113C - 1	LS085C - 1	LC085C - 1
Displacement Pump B	LS113C - 1	LC113C - 1	LS113C - 1	LC113C - 1	LS085C - 1	LC085C - 1
Model	Stainless Steel	Carbon Steel	Stainless Steel	Carbon Steel	Stainless Steel	Carbon Steel
Mix Ratio	1:1		1:1		1:1	
Pressure Ratio	50:1		25:1		34:1	
Maximum Fluid Working Pressure	350 bar (5000 psi)		207 bar (3000 psi)		281 bar (4080 psi)	
Maximum Air Input Pressure	7.0 bar (100 psi)		8.3 bar (120 psi)		8.3 bar (120 psi)	
Maximum Volume Flow Rate	13.5 LPM (3.5 GPM)		13.5 LPM (3.5 GPM)		10.2 LPM (2.68 GPM)	
Volume Per Cycle	225 cc		225 cc		170 cc	
Maximum Recommended Pump Speed	60 cycles per min		60 cycles per min		60 cycles per min	
Air Inlet Size	3/4 pt(f)		1/2 pt(f)		1/2 pt(f)	
Fluid Inlet Size	3/4 pt(f)		3/4 pt(f)		3/4 pt(f)	
Fluid Outlet Size	3/8 pt(f)		3/8 pt(f)		3/8 pt(f)	
Maximum Operating Temperature	82°C (180°F)		82°C (180°F)		82°C (180°F)	



COSMOSTAR-Handle with Care

Experience • Quality • Care

PF60 SERIES SPECIFICATIONS

SELECTION GUIDE

SD70 is ideal for low pressure airless coating applications which has same flow rate as SD100 which can handle medium viscosity material, and equipped with 7-inch Flash air motor .



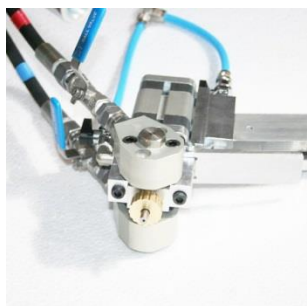
		PF60 1:1		PF60 1:1	
Model	Air Motor Type	Compact 6-inch		Compact 6-inch	
	Displacement Pump A	LS037C – 1	LC037C – 1	LS062C – 1	LC062C – 1
	Displacement Pump B	LS037C – 1	LC037C – 1	LS062C – 1	LC062C – 1
	Model	Stainless Steel Carbon Steel		Stainless Steel Carbon Steel	
Specification	Mix Ratio	1:1		1:1	
	Pressure Ratio	24:1		12:1	
	Maximum Fluid Working Pressure	200 bar (2880 psi)		100 bar (1440 psi)	
	Maximum Air Input Pressure	8.3 bar (120 psi)		8.3 bar (120 psi)	
	Maximum Flow Rate	4.4 LPM (1.68 GPM)		7.6 LPM (2.0 GPM)	
	Volume Per Cycle	74 cc		124 cc	
	Air Inlet Size	3/8 pt (f)		3/8 pt (f)	
	Fluid Inlet Size	3/4 pt (f)		3/4 pt (f)	
	Fluid Outlet Size	3/8 pt (f)		3/8 pt (f)	
Maximum Operating Temperature		82°C (180°F)		82°C (180°F)	



COSMOSTAR-Handle with Care

Experience • Quality • Care

PLURAL COMPONENT SPRAYER ACCESORIES



PU FOAM GUN

To bring the fluid together and provides control and check valves.

Item Code : CS-70

TRANSFER PUMP

ENCO 4-inch, 23:1	P1450
ENCO 4-inch, 15:1	P1452
ENCO 4-inch, 5:1	P1302
ENCO 4-inch, 3.5:1	
ENCO 4-inch, 2:1	P0185
ENCO 4-inch, 1.5:1	P0181
HI-FLUX 2-inch, 2:1	P0203
HI-FLUX 2-inch, 1:1	P0201



AGITATOR

Agitators guarantee painting quality by thoroughly mixing and better particle dispersion in your mix tank or throughout the whole painting system.

Item Code:

Vane type air motor ¼ HP	AM0701
Three-piston radial air motor ¼	AM0705
Five-piston radial air motor ½ HP	AM0707

AGITATOR

Air motor

Vane type air motor ¼ HP	AM0701
Three-piston radial air motor ¼ HP	AM0705
Five-piston radial air motor ½ HP	AM0707



R0350 FLUID HEATER

COSMOSTAR R0350 heater maintains optimal temperatures to provide consistent control of fluid viscosity. With a temperature operating range of 29-85°C, **R0350** heater is excellent for any coating, sealant, and adhesive or lubricant you can pump.

Item Code: R0350

Propeller Type

Three blade, aluminum	EA
Three blade, plastic steel	EP
Expandable, stainless steel	EX
Gear, stainless steel	G

Note: Shaft type available in Stainless Steel or Carbon Steel Material with size 10, 20, 40, 60, 200 liters.



R2020 STATIC MIX MANIFOLD

Durable and dependable design provides to use in any kind of environment and ensure a quality mixing ratio for fast curing materials to be either injected or sprayed.

Item Code: R2020



R2020-01 Mixing Manifold with RAC5 tip



COSMOSTAR-Handle with Care

Experience • Quality • Care

AIRLESS SPRAYER ACCESSORIES



R2006 AIRLESS SPRAY GUN

Designed for large applications
COSMOSTAR CY-2006 Airless Gun is known for its durability, long life, spraying performance, and comfortable design. It is the preferred gun for high pressure applications.

Item Code: R2006



RAC5 SWITCH TIP GUARD

Item Code: 286-XXX
262-XXX



DOUBLE-LAYER FLUID OUTLET STRAINER

Long-60 mesh CMS-167-025
Long-100 mesh CMS-167-026
Short-100 mesh CMS-167-054
Short-200 mesh CMS-167-055
Short-300 mesh CMS-167-056
Short-400 mesh CMS-167-057



STAINLESS STEEL CAP, DOUBLE SCREEN

1/2" NPT CMS-181073
3/4" NPT CMS-183770
1" NPT CMS-181072



THREAD FOR ULTRA 395/495 PUMPS

3/4" UNF CMS-246-388
7/8" UNF CMS-246-385



TIP FILTER 60 MESH

Item Code: CMS-205265



TIP FILTER 100 MESH

Item Code: CMS-205264



TIP FILTER 200 MESH

Item Code: CMS-205263



TIP FILTER HOUSING

Item Code: CMS-164120



HIGH PRESSURE BALL VALVE

1/4" NPT*1/4 NPT with Teflon Seals
Item Code: CMS-214037



HIGH PRESSURE BALL VALVE

1/4" NPT*1/4 NPT with Teflon Seals
Item Code: CMS-214037-1



COSMOSTAR-Handle with Care

Experience • Quality • Care

AIR MOTOR REPAIR KITS

HULK 10-INCH AIR MOTOR KITS

Ref. Sprayer: A0110, A0115, A0116, A0118

Item Code: M010RK

M01019	Washer, backup	M01030	Packing, V-block
M01020	Packing, V-block	M01031	Washer
M01022	O-Ring, packing	M01033	O-Ring, rubber
M01025	Seal, valve plate	M01040	Gasket, cylinder
M01029	Gasket, air manifold		



FLASH 7-INCH AIR MOTOR KITS

Ref. Sprayer: A0120, A0122, A0124, A0126

Item Code: M007RK

M01019	Washer, backup	M01030	Packing, V-block
M01020	Packing, V-block	M01031	Washer
M01022	O-Ring, packing	M00733	O-Ring, rubber
M01025	Seal, valve plate	M00740	Gasket, cylinder
M00729	Gasket, air manifold		



COMPACT 6-INCH AIR MOTOR KITS

Ref. Sprayer: A1300, A1301, A1303

Item Code: M006RK

M00604	Lockwire	M00615	Seal, O-Ring, rubber
M00605	Nut, adjusting	M00620	Poppet, valve
M00609	Actuator, valve	M00621	Stem, valve
M00613	Poppet, valve	M00624	Seal, flat O-Ring
M00614	Grommet, rubber	M00625	Seal, O-Ring



ENCO 4-INCH AIR MOTOR KITS

Ref. Sprayer: A1450, A1452

Item Code: M004RK

M00604	Lockwire	M00415	O-Ring, rubber
M00605	Nut, adjusting	M00620	Poppet, down
M00409	Actuator, valve	M00621	Stem, valve
M00613	Poppet, up	M00424	Flat O-Ring
M00614	Grommet, rubber	M00425	Seal, O-Ring





COSMOSTAR-Handle with Care

Experience • Quality • Care

REPAIR KITS

AIR MOTOR REPAIR KITS

M010RK	SD100 68:1 Mixing Ratio 1:1 (HULK 10-inch Repair Kits) SD100 45:1 Mixing Ratio 2:1 (HULK 10-inch Repair Kits) SD100 40:1 Mixing Ratio 3:1 (HULK 10-inch Repair Kits)
M007RK	SD70 34:1 Mixing Ratio 1:1 (FLASH 7-inch Repair Kits) SD70 20:1 Mixing Ratio 2:1 (FLASH 7-inch Repair Kits) SD70 18:1 Mixing Ratio 3:1 (FLASH 7-inch Repair Kits) PF70 34:1 Mixing Ratio 1:1 (FLASH 7-inch Repair Kits) PF70 25:1 Mixing Ratio 1:1 (FLASH 7-inch Repair Kits)
M006RK	SD/PF60 12:1 Mixing Ratio 1:1 (COMPACT 6-inch Repair Kits) SD/PF60 24:1 Mixing Ratio 1:1 (COMPACT 6-inch Repair Kits)
M004RK	Solvent Pump for SD100 Series (ENCO 4-inch Repair Kits)

DISPLACEMENT PUMP REPAIR KITS

LS085ARK	SD100 68:1 with Mixing Ratio 1:1 for Pump Side A & B (LS085A, Stainless Steel, Repair Kits) SD100 45:1 with Mixing Ratio 2:1 for Pump Side A & B (LS085A, Stainless Steel, Repair Kits) PF70 34:1 with Mixing Ratio 1:1 for Pump Side A & B (LS085A, Stainless Steel, Repair Kits)
LS113ARK	SD100 40:1 with Mixing Ratio 3:1 for Pump Side A (LS113A, Stainless Steel, Repair Kits) PF70 25:1 with Mixing Ratio 1:1 for Pump Side A & B (LS113A, Stainless Steel, Repair Kits)
LS073ARK	SD100 40:1 with Mixing Ratio 3:1 for Pump Side B (LS073A, Stainless Steel, Repair Kits)

LS085A DISPLACEMENT REPAIR KITS

Item Code: LS085ARK

LS85A03	Gland, female SUS
LS85A04	V-Packing, Teflon
LS85A05	V-Packing, leather
LS85A06	Gland, male, SUS
LS85A08	O-Ring, Teflon
BS0102	½" Ball, SUS
LS113A16	O-Ring, Teflon
BS0708	7/8" Ball, SUS

LS073A DISPLACEMENT REPAIR KITS

Item Code: LS073ARK

LS73A03	Gland, female SUS
LS73A04	V-Packing, Teflon
LS73A05	V-Packing, leather
LS73A06	Gland, male, SUS
LS73A08	O-Ring, Teflon
BS0102	½" Ball, SUS
LS113A16	O-Ring, Teflon
BS0708	7/8" Ball, SUS

LS113A DISPLACEMENT REPAIR KITS

Item Code: LS113ARK

LS113A03	Gland, female SUS
LS113A04	V-Packing, Teflon
LS113A05	V-Packing, leather
LS113A06	Gland, male, SUS
LS113A08	O-Ring, Teflon
BS0102	½" Ball, SUS
LS113A16	O-Ring, Teflon
BS0708	7/8" Ball, SUS

REPAIR KITS DETAIL INFORMATION

Type	Requirement
SD100 68:1	2 sets of LS085A repair kits
SD100 45:1	3 sets of LS085A repair kits
SD100 40:1	2 sets of LS113A repair kits and 1 set LS073A of repair kits
PF60 12:1	2 sets of LS062B repair kits
PF70 25:1	2 sets of LS113A repair kits
PF70 34:1	2 sets of LS085A repair kits



COSMOSTAR-Handle with Care

Experience • Quality • Care

ORDERING INFORMATION

SPRAYERS

SD SERIES – SD100 10" Air Motor

Bare Units include three-wheel cart mounted pump, air regulator with air gauge assembly, R0927 high pressure fluid filter, ENCO 4-inch solvent flush pump and fluid manifold

Complete Units also include airless hose, spray gun, and static mixer

SD10068-11-CS	68:1 Cart Mounted Pump, 1:1 Mix Ratio, CS, Complete	SD10045-21-CS-WO	45:1 Cart Mounted Pump, 2:1 Mix Ratio, CS, Bare
SD10068-11-SUS	68:1 Cart Mounted Pump, 1:1 Mix Ratio, SUS, Complete	SD10045-21-SUS-WO	45:1 Cart Mounted Pump, 2:1 Mix Ratio, SUS, Bare
SD10068-11-CS-WO	68:1 Cart Mounted Pump, 1:1 Mix Ratio, CS, Bare	SD10040-31-CS	40:1 Cart Mounted Pump, 3:1 Mix Ratio, CS, Complete
SD10068-11-SUS-WO	68:1 Cart Mounted Pump, 1:1 Mix Ratio, SUS, Bare	SD10040-31-SUS	40:1 Cart Mounted Pump, 3:1 Mix Ratio, SUS, Complete
SD10045-21-CS	45:1 Cart Mounted Pump, 2:1 Mix Ratio, CS, Complete	SD10040-31-CS-WO	40:1 Cart Mounted Pump, 3:1 Mix Ratio, CS, Bare
SD10045-21-SUS	45:1 Cart Mounted Pump, 2:1 Mix Ratio, SUS, Complete	SD10040-31-SUS-WO	40:1 Cart Mounted Pump, 3:1 Mix Ratio, SUS, Bare

SD SERIES – SD70 7" Air Motor

Bare Units include three-wheel cart mounted pump, air regulator with air gauge assembly, R0927 high pressure fluid filter, ENCO 4-inch solvent flush pump and fluid manifold

Complete Units also include airless hose, spray gun, and static mixer

SD7034-11-CS	34:1 Cart Mounted Pump, 1:1 Mix Ratio, CS, Complete	SD7020-21-CS-WO	20:1 Cart Mounted Pump, 2:1 Mix Ratio, CS, Bare
SD7034-11-SUS	34:1 Cart Mounted Pump, 1:1 Mix Ratio, SUS, Complete	SD7020-21-SUS-WO	20:1 Cart Mounted Pump, 2:1 Mix Ratio, SUS, Bare
SD7034-11-CS-WO	34:1 Cart Mounted Pump, 1:1 Mix Ratio, CS, Bare	SD7018-31-CS	18:1 Cart Mounted Pump, 3:1 Mix Ratio, CS, Complete
SD7034-11-SUS-WO	34:1 Cart Mounted Pump, 1:1 Mix Ratio, SUS, Bare	SD7018-31-SUS	18:1 Cart Mounted Pump, 3:1 Mix Ratio, SUS, Complete
SD7020-21-CS	20:1 Cart Mounted Pump, 2:1 Mix Ratio, CS, Complete	SD7018-31-CS-WO	18:1 Cart Mounted Pump, 3:1 Mix Ratio, CS, Bare
SD7020-21-SUS	20:1 Cart Mounted Pump, 2:1 Mix Ratio, SUS, Complete	SD7018-31-SUS-WO	18:1 Cart Mounted Pump, 3:1 Mix Ratio, SUS, Bare

POLYURETHANE FOAM SPRAYER (PF SERIES)

Bare Units include three-wheel cart mounted pump, R0926 high pressure fluid filter

Complete Units also include airless hose

FLASH 7" AIR MOTOR

PF7025-CS	25:1 Cart Mounted Pump, 1:1 Mix Ratio, CS, Complete
PF7025-SUS	25:1 Cart Mounted Pump, 1:1 Mix Ratio, SUS, Complete
PF7025-CS-WO	25:1 Cart Mounted Pump, 1:1 Mix Ratio, CS, Bare
PF7025-SUS-WO	25:1 Cart Mounted Pump, 1:1 Mix Ratio, SUS, Bare
PF7034-CS	34:1 Cart Mounted Pump, 1:1 Mix Ratio, CS, Complete
PF7034-SUS	34:1 Cart Mounted Pump, 1:1 Mix Ratio, SUS, Complete
PF7034-CS-WO	34:1 Cart Mounted Pump, 1:1 Mix Ratio, CS, Bare
PF7034-SUS-WO	34:1 Cart Mounted Pump, 1:1 Mix Ratio, SUS, Bare

COMPACT 6" AIR MOTOR

PF6012-CS	12:1 Cart Mounted Pump, 1:1 Mix Ratio, CS, Complete
PF6012-SUS	12:1 Cart Mounted Pump, 1:1 Mix Ratio, SUS, Complete
PF6012-CS-WO	12:1 Cart Mounted Pump, 1:1 Mix Ratio, CS, Bare
PF6012-SUS-WO	12:1 Cart Mounted Pump, 1:1 Mix Ratio, SUS, Bare

DISPLACEMENT PUMP

SPRAYER DISPLACEMENT PUMP

LC085A	SD10068, SD10045, PF7034 Lower, Carbon steel
LS085A	SD10068, SD10045, PF7034 Lower, Stainless steel
LC113A	SD10040 and PF7025 Lower, Carbon steel
LS113A	SD10040 and PF7025 Lower, Stainless steel
LC073A	SD10040 Lower, Carbon steel
LS073A	SD10040 Lower, Stainless steel
LC062B	PF6012 Lower, Carbon steel
LS062B	PF6012 Lower, Stainless steel

REPAIR KITS

LC085ARK	LC085A Lower Repair Kit
LS085ARK	LS085A Lower Repair Kit
LC113ARK	LC113A Lower Repair Kit
LS113ARK	LS113A Lower Repair Kit
LC073ARK	LC073A Lower Repair Kit
LS073ARK	LS073A Lower Repair Kit
LC062BRK	LC062B Lower Repair Kit
LS062BRK	LS062B Lower Repair Kit

SUPPLY PROCESSING EQUIPMENT

SUPPLY PUMP KIT

M010RK	Hulk 10-inch motor repair kit
M007RK	Flash 7-inch motor repair kit
M006RK	Compact 6-inch motor repair kit

SOLVENT FLUSH PUMP KIT

P1450-CS-5G	23:1 Standard Pump, 4-inch Air Motor, CS, 5-gallon
M004RK	Compact 4-inch motor repair kit
L1450CS	P1450 Lower, Carbon steel
C1450RK	L1450CS Lower Repair Kit

FEED PUMP KIT

P1302-SUS-5G	5:1 Standard Pump, 4-inch Air Motor, SUS, 5-gallon
P1302-SUS-55G	5:1 Standard Pump, 4-inch Air Motor, SUS, 55-gallon
P0201-SUS-5G	1:1 Standard Pump, 2-inch Air Motor, SUS, 5-gallon
P0201-SUS-55G	1:1 Standard Pump, 2-inch Air Motor, SUS, 55-gallon
M004RK	Compact 4-inch motor repair kit
M002RK	Hi-Flux 2-inch motor repair kit
L1312SUS	P1312 Lower, Stainless steel
L0201SUS	P0201 Lower, Stainless steel
S1312RK	L1312SUS Lower Repair Kit
S0201RK	L0201SUS Lower Repair Kit



COSMOSTAR-Handle with Care

Experience • Quality • Care

ORDERING INFORMATION

ACCESSORIES

SPRAY GUN

R2002 Airless Spray Gun, 3625 psi (250 bar)

- R200201 Spray gun with no tip
- R200202 Spray gun with flat tip
- R200203 Spray gun with RAC tip

R2006 Airless Spray Gun, 5000 psi (345 bar)

- R200601 Spray gun with no tip
- R200602 Spray gun with flat tip
- R200603 Spray gun with RAC tip



R2007 Airless Spray Gun, 7250 psi (500 bar)

- R200701 Spray gun with no tip
- R200702 Spray gun with flat tip
- R200703 Spray gun with RAC tip

R2005 Air-Assisted Spray Gun, 7250 psi (500 bar)



HIGH PRESSURE HOSE

R7 3300 psi (228 bar) High Pressure Hose

Item Code	Length	Hose Diameter
R704010	10 ft.	1/4-inch
R704020	20 ft.	1/4-inch
R704030	30 ft.	1/4-inch
R704050	50 ft.	1/4-inch
R704100	100 ft.	1/4-inch

R7 2500 psi (172 bar) High Pressure Hose

Item Code	Length	Hose Diameter
R706010	10 ft.	3/8-inch
R706020	20 ft.	3/8-inch
R706030	30 ft.	3/8-inch
R706050	50 ft.	3/8-inch
R706100	100 ft.	3/8-inch

R8 5000 psi (345 bar) High Pressure Hose

Item Code	Length	Hose Diameter
R804010	10 ft.	1/4-inch
R804020	20 ft.	1/4-inch
R804030	30 ft.	1/4-inch
R804050	50 ft.	1/4-inch
R804100	100 ft.	1/4-inch

R8 4000 psi (276 bar) High Pressure Hose

Item Code	Length	Hose Diameter
R806010	10 ft.	3/8-inch
R806020	20 ft.	3/8-inch
R806030	30 ft.	3/8-inch
R806050	50 ft.	3/8-inch
R806100	100 ft.	3/8-inch

MANIFOLDS

- R2020-01 Mixing Manifold with RAC5 tip
- R2020-02 Mixing Manifold with injection tip



R2020-01



R2020-02

PU FOAM GUN

- CS-70 PU Foam Mixing Gun



CS-70

HEATER

- R0350 Fluid Heater, 1000KW, 55-gallon



R0350
Fluid Heater



COSMOSTAR-Handle with Care

Experience • Quality • Care

ORDERING INFORMATION

FRL – FILTER, REGULATOR, AND LUBRICATOR



Pre-assembled filter, regulator, and lubricator combinations are available from COSMOSTAR. The most popular combinations are given one part number for easy ordering, assembled at our premises and are then tested to ensure compliance with our stringent quality control procedures prior to dispatch. They are then dispatched to our customers, who receive one component that is ready for quick and easy installation.

AIR PRESSURE REGULATORS – HEAVY DUTY SERIES

Part No.	Size	Max. SCFM
267130	3/8"	90
267140	1/2"	200
267160	3/4"	380

FILTERS – HEAVY DUTY SERIES

Part No.	Size	Max. SCFM
267230	3/8"	90
267240	1/2"	200
267260	3/4"	380

LUBRICATORS – HEAVY DUTY SERIES

Part No.	Size	Max. SCFM
267330	3/8"	90
267340	1/2"	200
267360	3/4"	380





About COSMOSTAR

Distributor Locations

EXPERIENCE • QUALITY • CARE

Established in 1980, Ching-Yea Mechanical Industry has been a front runner among fluid handling equipment manufacturers in Taiwan. The key to our long success is exceptional experience, technical excellence and dependable customer service. Having obtained EN-ISO 9001:2008 certification, we maintain our high quality control through world class management.

Our products cover various areas of fluid handling applications including spray finishing, fluid agitating, sealant, lubrication, adhesives and large scale power application equipment for the contractor industry.

ASIA HEADQUARTER

CHING-YEA MECHANICAL INDUSTRY CO.,LTD.

No.8, Alley 6, Lane 15, Sec. 2, Jiayuan Rd., Shulin District, New Taipei City 238, TAIWAN

Tel: +886-2-28867799

Fax: +886-2-28868991

email: sales@cosmostar.net

website: cosmo-star.net

EUROPE HEADQUARTER

TBH POLSKA SP. Z.O.O,

ul. Bukowska 14, 62-080 Sieroslaw, Poland

Tel: +48 61 8963 615

Fax: +48 61 8963 900

email: sales@cosmo-star.com

website: cosmo-star.com

THAILAND

V-SPRAYS CO., LTD

5/43 Srinakarin 46/1 (Pramote) Nongbon, Pravate, Bangkok 10250 Thailand

Tel: +62-2-1383788-9

Fax: +62-2-1383790

PHILIPPINES

MEGATECH FILFOR CORP.

Sta. Maria Drive cor. Sta. Teresita Drive, Sta. Maria Industrial Subd.

Bagumbayan, Taguig City , Metro Manila

Philippines

Tel: +63-2-8387587

Fax: +63-2-8387587

MALAYSIA

YOUNG BROTHERS TRADING

No. 12, Jalan Sungai Congkak 32/51D, Bukit Rimau 40460, Shah Alam Selangor Darul Ehsan, Malaysia

Tel: +6 012-7019984

Fax: +6 03-51219876

INDONESIA

PT. NORITA FLEXINDO - Jakarta

Jl. Puri Cileungsi No. 18 Desa Gandoang, Kabupaten Bogor, West Java, 16820

Indonesia

Tel. +62 21 8234260

Fax. +62 21 82492235

CV. WARNA ABADI PRATAMA - Surabaya

Jl. Darmo Baru Barat No. 32

Surabaya, East Java, 60189 Indonesia

Tel: +62-31-7346178

Fax: +62-31-7990139

FRANCE

DOSEUROPE

16 RUE AMPERE IMMEUBLE SOMAG 95300

PONTOISE FRANCE

TEL: +33 1 30 30 60 60

PERU

GLOBAL FINISHING SOLUTIONS SAC

Calle Montecarlo 253 Dpto 101 Chacarilla del Estanque, Surco. Lima - Peru

Tel.: +51 1 7227715

Cel: +51 1 986632733

SOUTH AFRICA

BLASTRITE [PTY] LTD

16th Floor No. 2 Long Street Cape Town

South Africa

Tel: +2721 417 1700

Fax: +2721 425 2486

Contact Us

CHING-YEAMECHANICALINDUSTRY

Tel: +886-2-2668-7799

Fax: +886-2-2668-8991

Email: sales@cosmostar.net

www.cosmo-star.net

CALL OUR CUSTOMER SERVICES TODAY FOR PRODUCTS INFORMATION OR TO REQUEST A DEMONSTRATION INQUIRY

+886-2-2688-7799 AND VISIT OUR WEBSITE AT **WWW.COSMO-STAR.NET**