



Be the first choice for

- Airless spray pumps
(Powered by Air / Gasoline / Electric)
- Ram extruder
- Gun & accessories



HASCO

AIRLESS SYSTEM for PAINTING & EXTRUDER

Innovative
Stylish
Dynamic



HAN SHIN PAINTING SYSTEMS

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Greetings

Since our establishment in 1991, Hanshin Painting Systems, **HASCO** has continuously strived to be the premier manufacturer of Airless Spray Pumps & Accessories in Korea by our utmost effort in research and development with accumulated technology.

We would like to thank all of our customers for cooperation with us in the 21 century. **HASCO** will contribute to the development of Painting System industry by manufacturing qualified airless spray pumps to be compete with worldwide prominent brands.

We also promise that we will do our best to serve our customers with respect and friendly relationship.
Thank you.

Yours faithfully...

Yu, Young Mug President

We will be there with you

AIRLESS SYSTEM for PAINTING & EXTRUDER

Brief History

- 1991. Feb Established Han Shin Painting Systems in Geumjeong-gu, Busan, Korea
- 1991. June Developed Pro-281 Pump
- 1991. Oct Developed Pro-451 Pump
- 1992. May Developed Pro-631 Pump
- 1992. Oct Developed Pro Pole Gun
- 1993. June Developed Pro Gold Gun
- 1993. Oct Attend on Exhibition in Seoul, Korea
- 1994. March Set up nationwide marketing network in Korea (Seoul, Daegu, Ulsan, Daejeon, Gwangju, Suncheon)
- 1994. Dec Developed Electric-powered pump Pro-60N
- 1995. May Developed Gasolin-powered pump Pro-101G
- 1996. May Designated as "Promising Manufacturer" by SMIPC
Moved to new factory located in Sasang-gu, Busan, Korea
- 1997. Feb Developed line marker Pro-100P
- 1997. March Designated as "Small & Medium Business assisted company" by SMIPC
- 1997. Nov Developed Pro-101 Pump
- 1998. July Developed Pro-5000 Gun
- 1998. Sept Registered as a main supplier of airless spray pumps to Daewoo shipyard.
- 1998. Dec Developed Pro-681 Pump
- 1999. Jan Designated as "Prior Export-Assitance company" by SMIPC
Opened up new export market such as Aprica and Southeast Asia area etc.
- 1999. April Supplied to "Military service supply complex"
- 1999. Oct Developed M-21 Gun
Opened up Europe market
- 2000. Sept Started to develop new model Pro-721 Pump
- 2000. Oct Opened up Oceania market
- 2001. Jan Developed Pro-731 Pump
- 2001. April Designated as a "Superior Exporting Firm" by Government Export Assistance Center
- 2001. July Participated in "Pump & System China 2001" Exhibition in Shanghai, China
- 2002. April Designated as "Venture - Enterprise" by SMIPC
- 2002. June Achieved ISO 9001:2000 Approval
- 2002. July Moved to new factory located in Saha-gu, Busan, Korea
- 2004. March Set up new branch in Qingdao, China
- 2004. April Achieved CE Mark
- 2005. Jan Participated in the Exhibition in Tehran, Iran
- 2005. Feb Developed Pro-561 Pump
Registered to DaeWoo Machinery as a main supplier
- 2005. April Designated as "Superior Exporting Firm" by SMBA
- 2005. May Registered "CLEAN FACTORY"
- 2006. Jan Moved to a larger facility located in Saha-Gu, Busan, Korea
- 2007. June Adopted ERP(Enterprise Resource Planning) System
- 2008. June Designated as a Promising Exprot Firm by SMBA
- 2008. June Enlarged Production Line
- 2008. Aug Designated as "Management Innovation Business" by SMBA
- 2008. Nov Receive Presidential Export Prize
- 2009. Apr Designated as "Venture Business" by SMIPC
- 2009. Jun Built strategic partnership with KYEONGDO CO., LTD.
- 2009. Aug Developed pneumatic interlocking device "EzSys"
- 2009. Oct Starting New plan "2010 Innovative HASCO"
- 2010. Apr Registered "PATENT" (Pneumatic interlocking controlling device and System)
- 2010. Oct Registered as a main supplier of painting facility to Hanjin shipyard
- 2011. Feb Achieved ISO 9001:2009, 14001:2009 Approval
- 2011. Feb Developed Pro-ForEx Gun
- 2011. May Achieved CE CoC in all the Airless Pumps
- 2011. Aug Achieved CE CoC in all the Airless Guns
- 2012. Jan Starting new slogan "Innovative/Stylish/Dynamic HASCO"

New Controlling Technology

Pneumatic Interlocking device "EzSys"



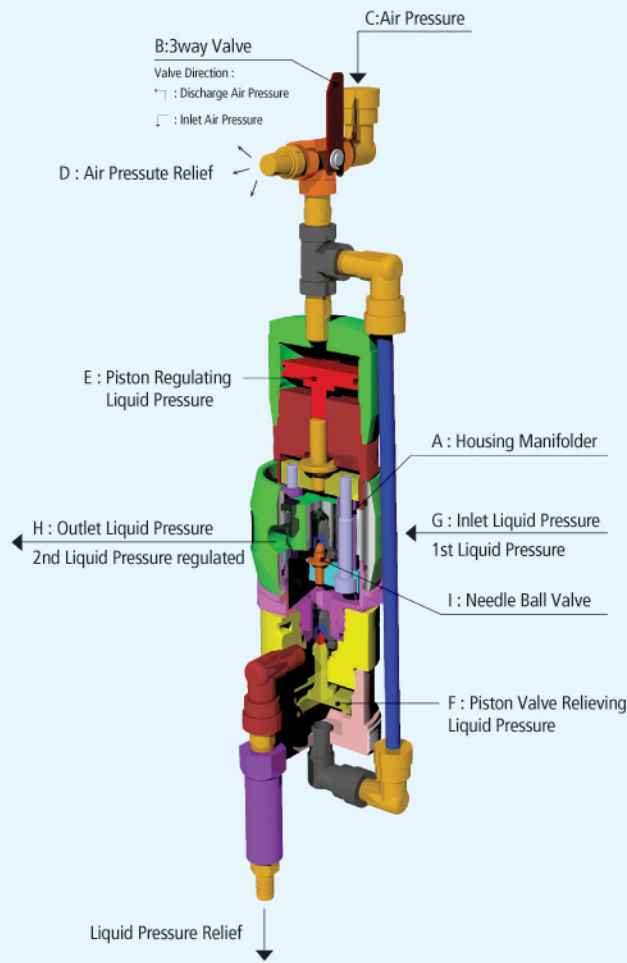
New Coating Technology

NICO-BF and SM Process

Standardized Rod and Sleeve

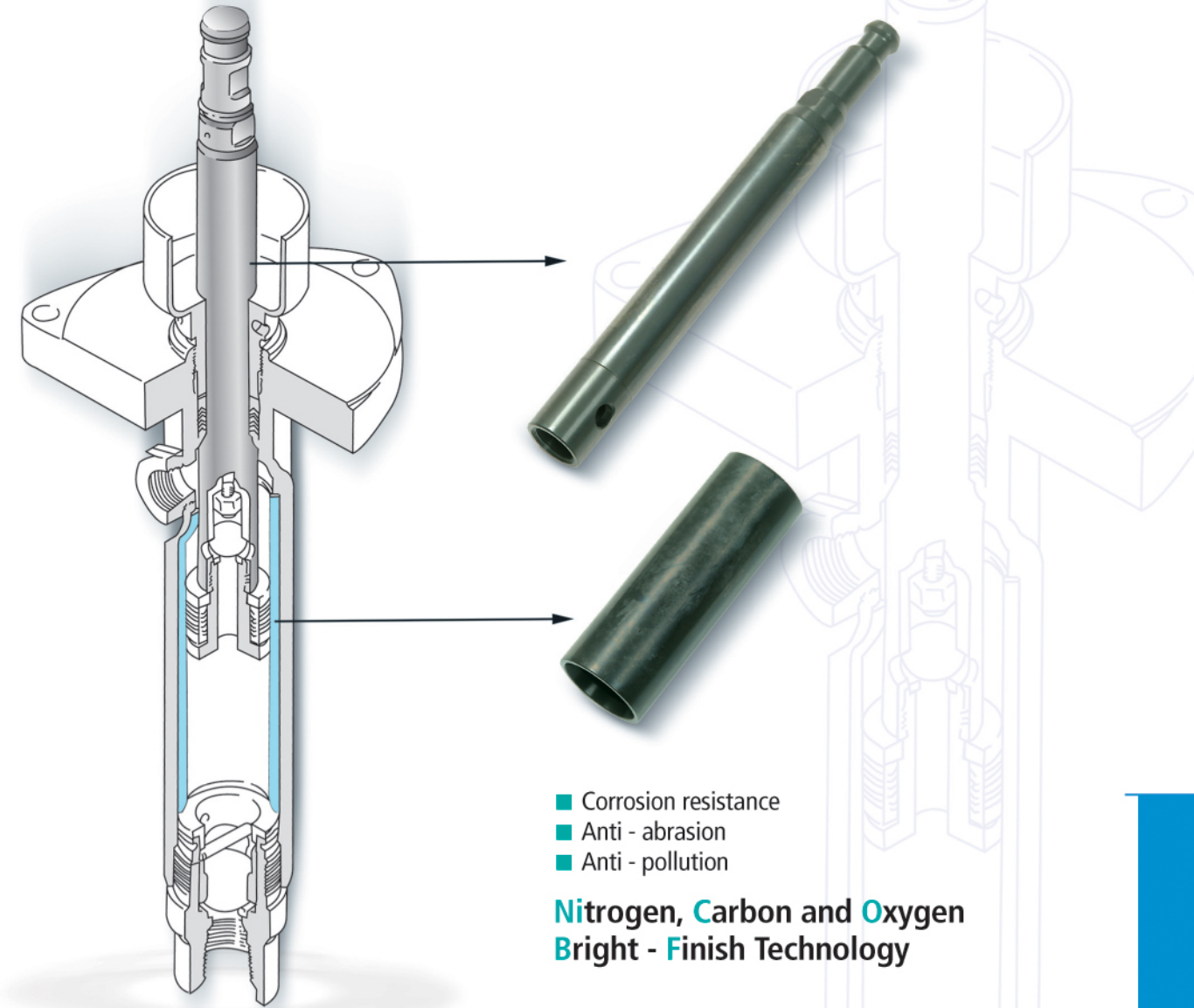
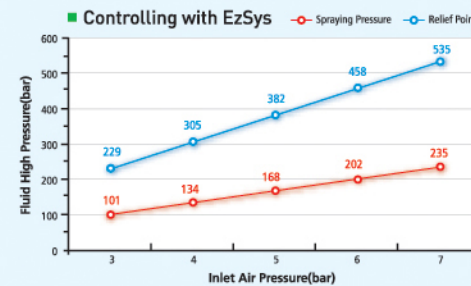
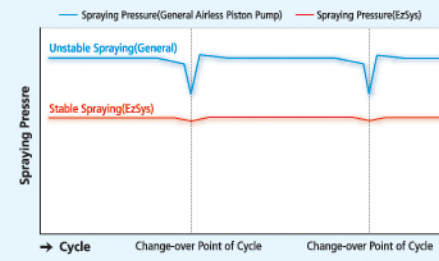
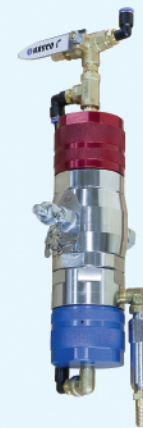


[Structure]



Function

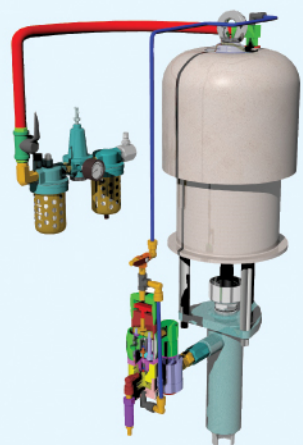
- Stability in spraying pressure
- Remote Control by pneumatic operation
- Accuracy as Fluid Pressure Regulator
- Safety to relieve fluid high pressure by interlocking



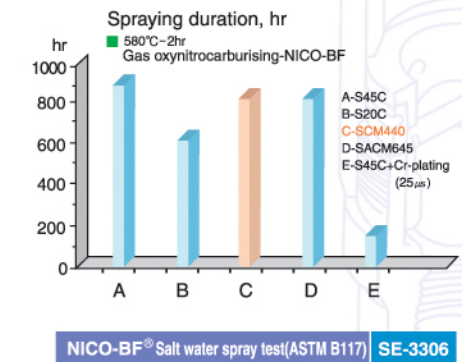
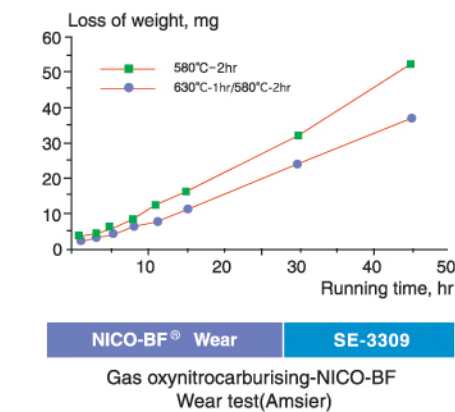
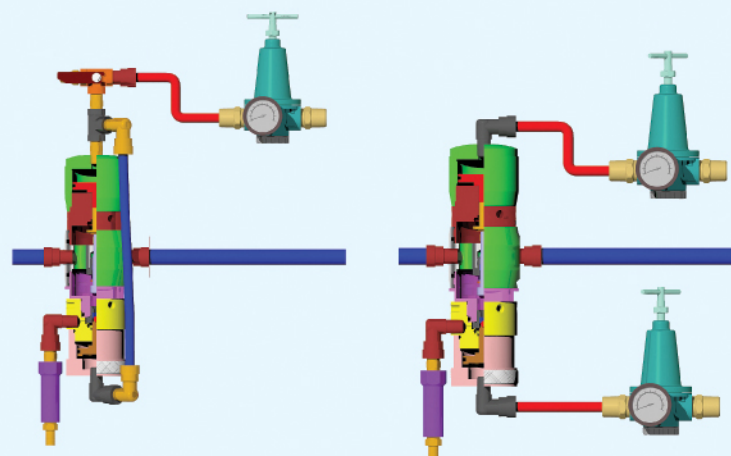
- Corrosion resistance
- Anti - abrasion
- Anti - pollution

Nitrogen, Carbon and Oxygen Bright - Finish Technology

[Application with Airless Pump]



[Application in Fluid line facility]



The Flow Mechanism with Air / Liquid

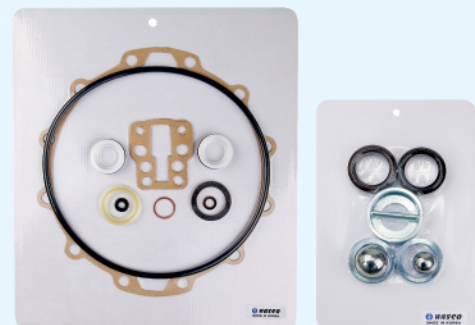
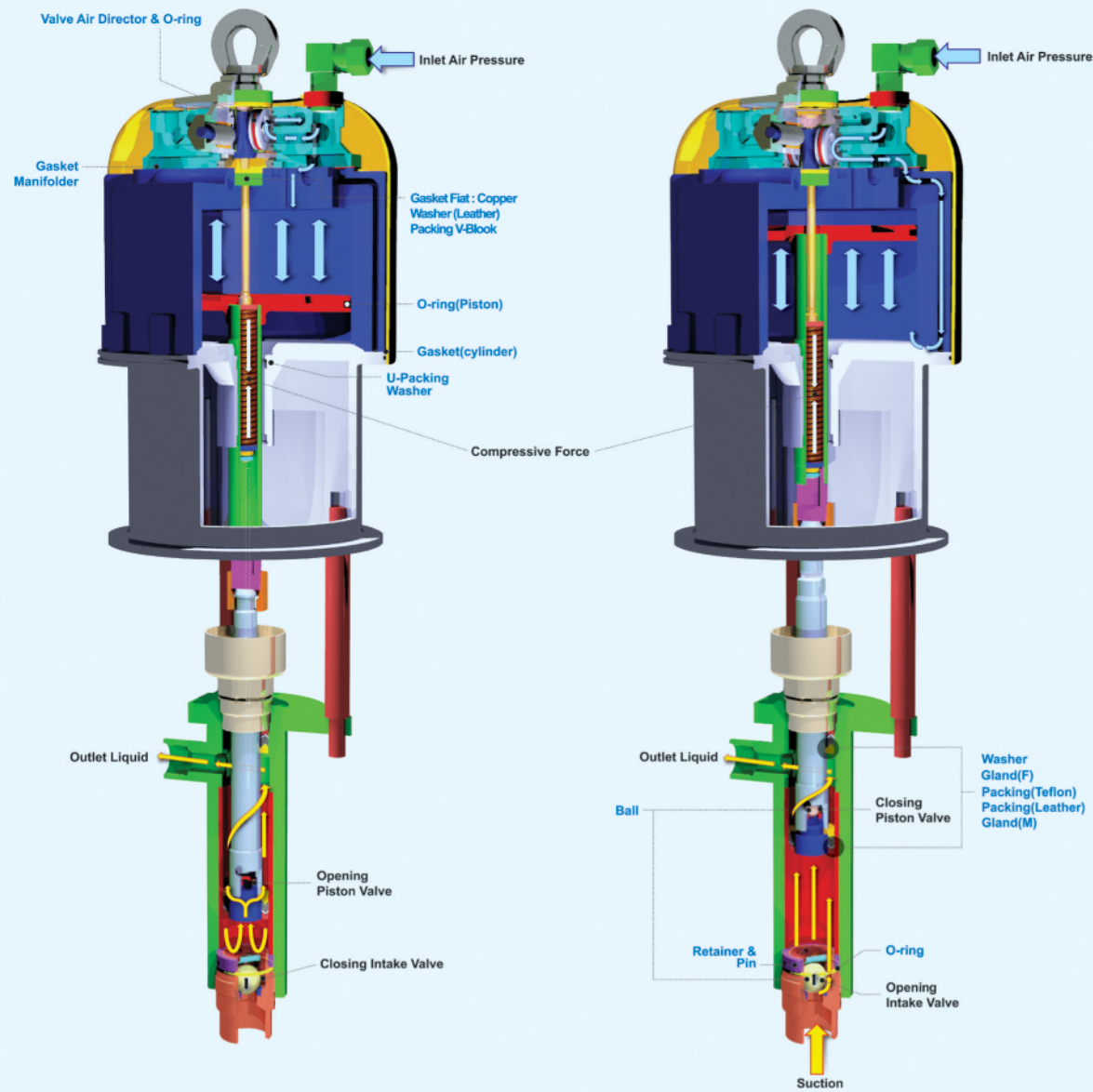
Pro-451

Pro-Max Heavy Duty Performance

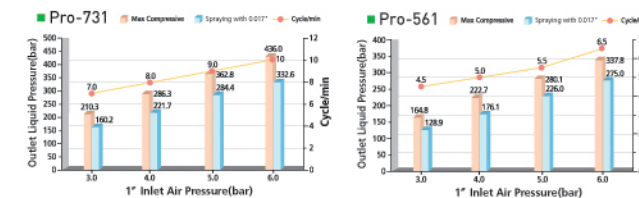
Air operated Airless spray pump

[Going Down]

[Going UP]



Note All parts described in blue color are "Wear and Tear" parts to be replaced with HASCO Repair Kit.(RPK) HASCO Repair Kit would be greatly contribute to the customers' stable maintenance.



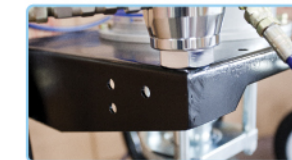
Pro-Max/Tec Series mounted with New S1 Cart for heavy duty !!



Designed for the worker to be convenient moving of the pump and efficient management of the hoses/guns.



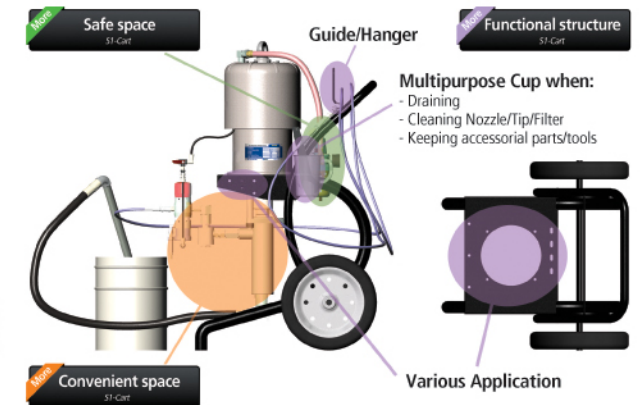
Designed for the worker to be kept tools and accessories in touchable position.



Designed for special options (such as FPR / BPR / Air Regulator) to be installed in suitable position.



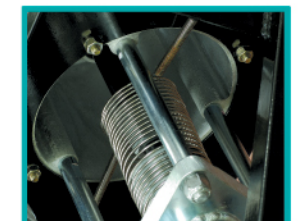
Wheels' locking device makes it possible to prevent the pump from dangerous moving which might be caused by pump's vibration or its unstable positioning.



	Pro-Mar 731 / 72000-PBS	Pro-Mar 731 / 72000-PB	Pro-Mar 561 / 56000-PBS	Pro-Mar 561 / 56000-PB
AIR MOTOR	63D200		72100	
DIS-PUMP	45300-G		45D200	
STANDARD SURGE TANK	A64000, A65000	45300-G	A64000, A65000	45300-G
REGULATOR	72400-PBS (1" FRL)			
SUCTION	45500			
CART	45600-S			
FLUID PRESSURE RATIO	73:1		56:1	
CYCLE/min	160		160	
DELIVERY/cycle (cc)	185.25		240.36	
DELIVERY/min (liter)	29.64		38.46	
MAX. PRESSURE (bar)	500		392	
AIR PRESSURE RANGE (bar)	3 - 7			
STROKE (mm)	115			
WEIGHT (NET/PACKING:kgs)	118 / 142			
DIMENSION (NET/PACKING:cm)	80 × 75 × 129 / 85 × 77 × 142			
TYPICAL FLUID HANDLED	ALKYD, EPOXY, URETHANE, WATER, ANTICORROSIVE PRIMER HIGH VISCOSITY PAINT, PRIMER, HIGH BUILD			
MAX. LOADAGE (20FT/40FT:Unit)	20 / 42			



A70025 Wrench for Packing Nut(larger)

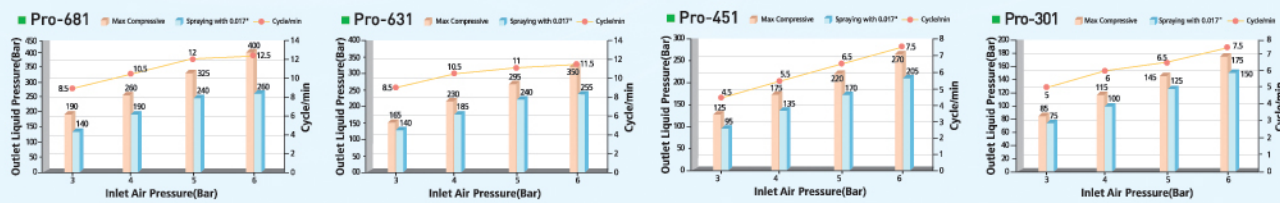


A70019 Safety Guard Spring

: All Parts in this line are OPTION

Pro-Tec Series

Air operated Airless spray pump



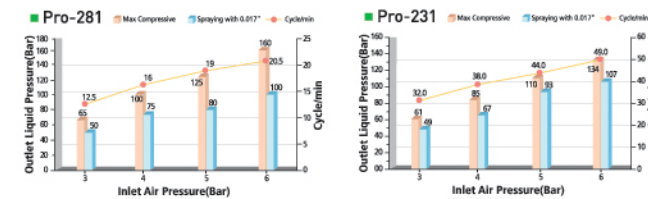
	PRO-Mir 681 / 68000	PRO-Nuri 631 / 63000	PRO-Nuri 451 / 45000	PRO-Mirine 301 / 30000
STANDARD SPECIFICATION				
AIR MOTOR	68100		45100	55P100
DIS-PUMP	68200	63200	45200	63200
SURGE TANK			45300	
REGULATOR	68400 (3/4" RL)		45400 (3/4" R)	
SUCTION CART			45500	
			45600-S	
FLUID PRESSURE RATIO	68:1	63:1	45:1	30:1
CYCLE/min		50		60
DELIVERY/cycle (cc)	179.07	193.30	250.81	193.30
DELIVERY/min (liter)	8.95	9.67	12.54	11.60
MAX. PRESSURE (bar)	476	441	315	210
AIR PRESSURE RANGE (bar)			3 - 7	
STROKE (mm)			120	
WEIGHT (NET/PACKING:kgs)	116 / 140	107 / 131	110 / 134	102 / 126
DIMENSION (NET/PACKING:cm)		80 x 75 x 129	85 x 77 x 142	
TYPICAL FLUID HANDLED	ALKYD, EPOXY, URETHANE, WATER, ANTICORROSIVE PRIMER HIGH VISCOSITY PAINT, PRIMER, HIGH BUILD			
MAX. LOADAGE (20FT/40FT:Unit)	20 / 42			
OPTION	72400-B (3/4" FRL)	68400-B (3/4" RL) / 72400 (3/4" FRL)		



: All Parts in this line are **OPTION**

Pro-Win Series

Air operated Airless spray pump



	Pro-Nare 281W / 28000-W	Pro-Nare 101 / 10000	Pro-Hemi 231 / 23000	Pro-Hemi 171 / 17000	Pro-Hemi 041 / 04000
STANDARD SPECIFICATION					
AIR MOTOR	28100-W		23100	17100	
DIS-PUMP	28200	10200	23200	28200	10200
SURGE TANK			28300		
REGULATOR	28400 (3/8" R)			17400 (3/8" R)	
SUCTION CART			28500		
			28600		
FLUID PRESSURE RATIO	28:1	10:1	23:1	12:1	4:1
CYCLE/min			60		
DELIVERY/cycle (cc)	60.67	190.79	28.75	48.53	152.63
DELIVERY/min (liter)	3.64	11.45	1.73	2.91	9.16
MAX. PRESSURE (bar)	196	70	161	84	28
AIR PRESSURE RANGE (bar)			3 - 7		
STROKE (mm)		100		80	
WEIGHT (NET/PACKING:kgs)	34 / 42	37 / 45	29 / 37	29 / 37	32 / 40
DIMENSION (NET/PACKING:cm)	55 X 50 X 91 / 57 X 52 X 107			55 X 50 X 87 / 57 X 52 X 107	
TYPICAL FLUID HANDLED	ALKYD, EPOXY, URETHANE, WATER, PRIMER, TOP COAT				
MAX. LOADAGE (20FT/40FT:Unit)	88 / 176				

PRO-231

PRO-171



: All Parts in this line are **OPTION**

Air Motor



Displacement Pump



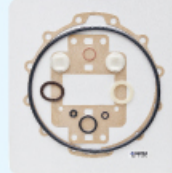
Maru (72100)



R72100



Mir (68100)



R68100



Nuri (45100)



R45100

	Maru 72100	Mir 68100	Nuri 45100
AIR PRESSURE RANGE (bar)		3 - 7	
CYCLE/min	160		50
CYLINDER (ID/mm)	275		254
STROKE (mm)	115		120
WEIGHT (NET:kgs)	37	36	31
DIMENSION (NET:cm)	32 × 32 × 57	31 × 40 × 56	31 × 31 × 56
REPAIR KIT	R72100	R68100	R45100



Mirine (55P100)



R55P100



Nare (28100-W)



R28100-W



Hemi (23100)



R23100

	Mirine 55P100	Nare 28100-W	Hemi 23100
AIR PRESSURE RANGE (bar)		3 - 7	
CYCLE/min		60	
CYLINDER (ID/mm)	178	153	108
STROKE (mm)	120	100	80
WEIGHT (NET:kgs)	26	9	4.9
DIMENSION (NET:cm)	28 × 28 × 56	18 × 18 × 37	15 × 15 × 30
REPAIR KIT	R55P100	R28100-W	R23100

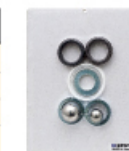
	68200	68S200
SLEEVE (ID × L:mm)	43.6 × 170	43.6 × 170
CHARACTERISTIC	SEPARATED	SEPARATED / STAINLESS
WEIGHT (NET:kgs)	19.5	19
DIMENSION (NET:cm)	58 × 25 × 20	58 × 25 × 20
REPAIR KIT	R68200	R68S200



R68200



	63D200	45D200
SLEEVE (ID × L:mm)	45.3 × 177	51.6 × 177
CHARACTERISTIC	SEPARATED	
WEIGHT (NET:kgs)	21	20.5
DIMENSION (NET:cm)	58 × 25 × 20	58 × 25 × 20
REPAIR KIT	R63D200	R45D200



R63D200



	63S200	45S200
SLEEVE (ID × L:mm)	45.3 × 177	51.6 × 177
CHARACTERISTIC	SEPARATED / STAINLESS	
WEIGHT (NET:kgs)	20	19.5
DIMENSION (NET:cm)	58 × 25 × 20	58 × 25 × 20
REPAIR KIT	R63S200	R45S200



R63S200



	63200	45200
SLEEVE (ID × L:mm)	45.3 × 181.80	51.6 × 177.4
CHARACTERISTIC	GENERAL	
WEIGHT (NET:kgs)	18.5	21
DIMENSION (NET:cm)	62 × 25 × 20	62 × 25 × 20
REPAIR KIT	R63200	R45200



R63200



Displacement Pump

Combinative(Air Operated) Options for customers' special requests

	28200	23200
SLEEVE (ID×L:mm)	27.8×150	21.4×150
CHARACTERISTIC	GENERAL	
WEIGHT (NET:kgs)	4.5	4.7
DIMENSION (NET:cm)	46×10×12	46×10×12
REPAIR KIT	R28200	R23200



R23200



	28S200
SLEEVE (ID×L:mm)	27.8×150
CHARACTERISTIC	STAINLESS
WEIGHT (NET:kgs)	4.5
DIMENSION (NET:cm)	46×10×12
REPAIR KIT	R28S200



R28S200



	10200
SLEEVE (ID×L:mm)	49.3×162
CHARACTERISTIC	SEPARATED
WEIGHT (NET:kgs)	7.5
DIMENSION (NET:cm)	46×11×14
REPAIR KIT	R10200



R10200



Choose the best package solution !!

Optional Code	Air Motor	Displacement Pump	Characteristic		Ratio	Delivery		Max. Pressure (bar)
			Separated	Stainless		mL / Cycle	L / min	
B72A	Maru (72100) Cycle 160/min Stroke 115mm	63S200-A	0	0	73:1	185.25	29.64	500
B72B		63D200	0		73:1	185.25	29.64	500
B72C		63200-A			73:1	185.25	29.64	500
B72D		45S200-A	0	0	56:1	240.36	38.46	392
B72E		45D200	0		56:1	240.36	38.46	392
B72F		45200-A			56:1	240.36	38.46	392
B68A	Mir (68100) Cycle 50/min Stroke 120mm	68S200	0	0	68:1	179.07	8.95	476
B68B		68200	0		68:1	179.07	8.95	476
B68C		63S200	0	0	63:1	193.30	9.67	441
B68D		63D200-A	0		63:1	193.30	9.67	441
B68E		63200			63:1	193.30	9.67	441
B68F		45S200	0	0	45:1	250.81	12.54	315
B68G		45D200-A	0		45:1	250.81	12.54	315
B68H		45200			45:1	250.81	12.54	315
B45A	Nuri (45100) Cycle 50/min Stroke 120mm	68S200	0	0	68:1	179.07	8.95	476
B45B		68200	0		68:1	179.07	8.95	476
B45C		63S200	0	0	63:1	193.30	9.67	441
B45D		63D200-A	0		63:1	193.30	9.67	441
B45E		63200			63:1	193.30	9.67	441
B45F		45S200	0	0	45:1	250.81	12.54	315
B45G		45D200-A	0		45:1	250.81	12.54	315
B45H		45200			45:1	250.81	12.54	315
B55A	Mirine (55P100) Cycle 60/min Stroke 120mm	68S200	0	0	33:1	179.07	10.74	231
B55B		68200	0		33:1	179.07	10.74	231
B55C		63S200	0	0	30:1	193.30	11.60	210
B55D		63D200-A	0		30:1	193.30	11.60	210
B55E		63200			30:1	193.30	11.60	210
B55F		45S200	0	0	24:1	250.81	15.05	168
B55G		45D200-A	0		24:1	250.81	15.05	168
B55H		45200			24:1	250.81	15.05	168
B28A	Nare (28100-W) Cycle 60/min Stroke 100mm	28S200		0	28:1	60.67	3.64	196
B28B		28200			28:1	60.67	3.64	196
B28C		10200	0		10:1	190.79	11.45	70
B23A	Hemi (23100) Cycle 60/min Stroke 80mm	28S200		0	12:1	48.53	2.91	84
B23B		28200			12:1	48.53	2.91	84
B23C		23200			23:1	28.75	1.73	161
B23D		10200	0		4:1	152.63	9.16	28

Pro-Ram Series

Air Operated RAM



Pro-Ram Series

Air Operated RAM



55E300-A-A1



R55E200



PRO-551E



PRO-551P



R55P200



PRO-401E



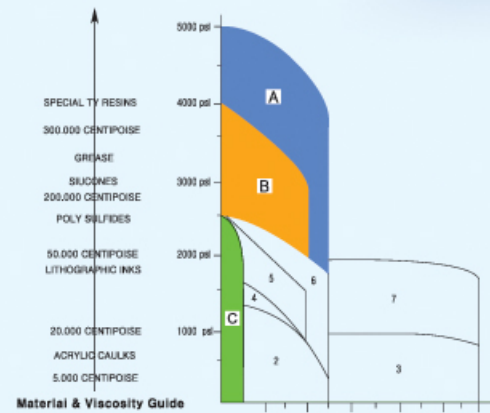
PRO-401P



R40E200



PRO-201P



●● Guide Line for VISCOSITY & PRESSURE

Pump Selection

A PRO - 551E **B** PRO - 401P **C** PRO - 201P

Some Viscous Materials you can pump with HASCO

- Silicone ● Grease ● Sealant ● Adhesives
- Other high viscosity paint

		PRO-Nuri 551E / 55E000
STANDARD SPECIFICATION	AIR MOTOR	45100
	DIS-PUMP	55E200
	RAM	55E300
	REGULATOR	55E400 (3/4" R)
FLUID PRESSURE RATIO		55:1
CYCLE/min		50
DELIVERY/cycle (cc)		189.26
DELIVERY/min (liter)		9.46
MAX. PRESSURE (bar)		385
AIR PRESSURE RANGE (bar)		3 - 7
STROKE (mm)		120
WEIGHT (NET/PACKING:kgs)		249 / 300
DIMENSION (NET/PACKING:cm)		102 × 78 × 158 / 115 × 90 × 180
TYPICAL FLUID HANDLED		VISCOUS MATERIALS
MAX. LOADAGE (20FT/40FT:unit)		12/24
OPTION		55E300-A-A1 20L INDUCTOR PLATE

		PRO-Mirine 551P / 55P000	PRO-Mirine 401E / 40E000	PRO-Mirine 401P / 40P000	PRO-Nare 201P / 20P000
STANDARD SPECIFICATION	AIR MOTOR	55P100			28100-W
	DIS-PUMP	55P200	40E200		20P200
	RAM	55P300	40E300	40P300	20P300
	REGULATOR	55P400 (3/4" R)			20P400 (3/8" R)
FLUID PRESSURE RATIO		50:1	40:1		16:1
CYCLE/min		50			60
DELIVERY/cycle (cc)		90.65	126.16		90.65
DELIVERY/min (liter)		4.53	6.30		5.44
MAX. PRESSURE (bar)		350	280		112
AIR PRESSURE RANGE (bar)		3 - 7			
STROKE (mm)		120			100
WEIGHT (NET/PACKING:kgs)		104 / 128	130 / 154	94 / 118	85 / 109
DIMENSION (NET/PACKING:cm)		60 × 44 × 143 / 85 × 77 × 155	84 × 50 × 136 / 85 × 77 × 142	60 × 44 × 125 / 85 × 77 × 142	
TYPICAL FLUID HANDLED		VISCOUS MATERIALS			
MAX. LOADAGE (20FT/40FT:unit)		20 / 42			

Pro-Con Series

Electric Diaphragm Pump



PRO-60N



PRO-100N

	PRO-60N / 60N000	PRO-100N / 100N000
POWER SUPPLY	AC 220V/110V, 50Hz/60Hz	
DELIVERY/min (liter)	6	10
EFFECTIVE PRESSURE (bar)	150 - 220	
MOTOR POWER	1.5Hp / 1,750rpm	2.0Hp / 3,600rpm
WEIGHT (NET/PACKING:kgs)	42 / 50	63 / 87
DIMENSION (NET/PACKING:cm)	52×45×60 / 57×52×107	52×64×70 / 85×77×85
TYPICAL FLUID HANDLED	ALKYD, EPOXY, URETHANE, WATER	
MAX. LOADAGE (20FT/40FT:unit)	88 / 176	20 / 42

Pro-Con Series

Electric Diaphragm Pump



PRO-101G



PRO-100P

	PRO-101G / 101G000	PRO-100P / 100P000
POWER SUPPLY	GASOLINE	
DELIVERY/min (liter)	10	
EFFECTIVE PRESSURE (bar)	150 - 220	
MOTOR POWER	5.5Hp / 3,600rpm	
WEIGHT (NET/PACKING:kgs)	60 / 84	105 / 155
DIMENSION (NET/PACKING:cm)	80×52×70 / 85×77×85	92×160×105 / 112×180×135
TYPICAL FLUID HANDLED	ALKYD, EPOXY, URETHANE, WATER	
MAX. LOADAGE (20FT/40FT:unit)	20 / 42	

Airless Spray Gun Series

Controlling / Mixing



	PRO-3000N GUN	PRO-5000 PLUS GUN	PRO-GOLDEN GUN	PRO-SILVER PLUS GUN
CODE	G30N000	G50P000	G71000	G72P000
MATERIAL	AL	AL	S45C	AL
MAX. PRESSURE (bar)	250	500	500	250
NET WEIGHT (gs)	680	525	810	650
THREAD (Outlet, Inlet)	UNF7/8" x 14IN, NPS1/4" x 18IN	UNF7/8" x 14IN, NPS1/4" x 18IN	UNF7/8" x 14IN, NPS1/4" x 18IN	UNF7/8" x 14IN, NPS1/4" x 18IN
REPAIR KIT	RG30N000	RG50000	RG71000	RG72P000



	AUTO GUN	SEALANT GUN	LINER GUN	ForEx-GUN
CODE	G74000	G74S000	G75000	G61000
MATERIAL	AL	Stainless	AL	Stainless Steel
MAX. PRESSURE (bar)	250	210	250	450
NET WEIGHT (gs)	960	600	690	660
THREAD (Outlet, Inlet)	UNF7/8" x 14IN, NPS1/4" x 18IN	NPS3/8" x 18IN, NPS1/4" x 18IN	UNF7/8" x 14IN, NPS1/4" x 18IN	NPT1/4" & UNF3/4", NPT1/2"
REPAIR KIT	RG74000	RG75000	RG76000	RG61000

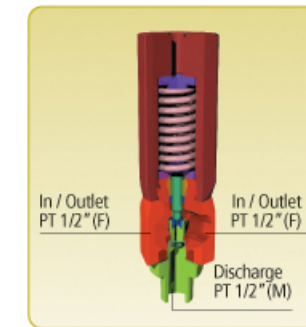
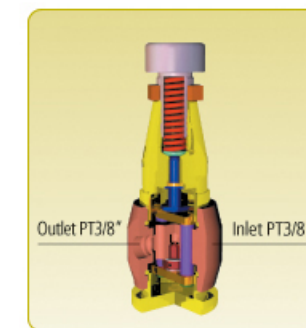
	POLE GUN SERIES	G73090 ~ 300
MAX. PRESSURE (bar)		250
NET WEIGHT (AL/gs, AL+90=S45C)		1300 / 1600 / 1820 / 2000 / 3300 / 4050
THREAD (Outlet, Inlet)		UNC11/16" x 16IN, NPS1/4" x 18IN
SERIES (Code:cm)		G73090 / 120 / 150 / 180 / 240 / 300
REPAIR KIT		RG73000

Pole Gun
Liner Pole Gun 0.9m (G76090) / 1.5m (G76150) / 1.8m (G76180)

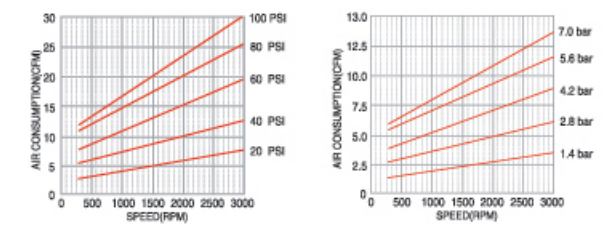


FLUID REGULATOR (FPR)	
Code	A61000
Max. Fluid Inlet Pressure	200 bar
Regulated Fluid Pressure Range	70-200 bar
Max. Flow Rate	13.25 Liters/min
Inlet Thread(F)	PT 3/8"
Outlet Thread(F)	PT 3/8"

PRESSURE RELIEF VALVE	
Code	A62000
Setting Pressure Range	50-300 bar
Working Pressure Range	30-280 bar
In/Outlet Thread(F)	PT 1/2"
Discharge Thread(M)	PT 1/2"



PNEUMATIC INTERLOCKING DEVICE (EzSys)	
Code	A63000
Air Pressure Range	3-7 bar
Working Pressure Range	30-250 bar
Inlet Thread(F)	PT 3/8"
Outlet Thread(F)	PT 3/8"



	AGITATOR	HP
A80100	1 AM	1/2
A80200	2 AM(20L)	3/4
A80200-A	2 AM(200L)	3/4

MIXING SHAFT FITTING ELEC GRINDER	
A81000	10mm Connecting
A81000-A	8mm Connecting
A81000-B	12mm Connecting

Accessories

Accessories



SWITCH TIP GUARD	GUN FITTING (F)
A93100	UNF7/8" × 14IN



SCRAPER (PAINT SAGGING)	BLADE (L)
A70032	50mm



HOSE NIPPLE	FITTING(M)	FITTING(M)
A95400-A	NPS1/4" × 18IN	NPS1/4" × 18IN
A95400-B	NPS1/4" × 18IN	NPS3/8" × 18IN
A95400-C	NPS3/8" × 18IN	NPS3/8" × 18IN



High Pressure(-A)

TIP FILTER	FILTERING (MESH)
A92060	60#
A92080	80#
A92100	100#
A92060-A	60#
A92080-A	80#
A92100-A	100#



SURGE FILTER	FILTERING (MESH)
A97060-A	60#
A97080-A	80#
A97100-A	100#



GUN FILTER	FILTERING (MESH)
A42060	60#
A42080	80#
A42100	100#



ADAPTOR	ID FITTING (F)	OD FITTING(M)	MATERIAL
A94002-A	M18 × 1.5P	UNF7/8" × 14IN	S45C
A94002-B	UNC11/16 × 16IN	UNF7/8" × 14IN	AL



PAINT HOSE	FITTING (F)	LENGTH(M)/W.P(BAR)
A98400	NPS1/4" × 1/4" × 18IN	15 / 430
A98430	NPS1/4" × 1/4" × 18IN	30 / 430
A98800	NPS3/8" × 3/8" × 18IN	15 / 350
A98830	NPS3/8" × 3/8" × 18IN	30 / 350



HOSE SWIVEL	FITTING(M)	FITTING(M)
A95300-A	NPS1/4" × 18IN	NPS1/4" × 18IN
A95300-B	NPS1/4" × 18IN	NPS3/8" × 18IN
A95300-C	NPS3/8" × 18IN	NPS3/8" × 18IN

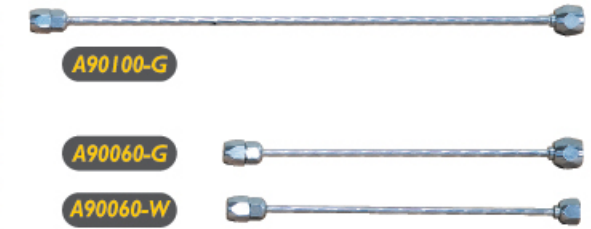


GUN SWIVEL	GUN FITTING(M)	HOSE FITTING(M)
A95100-A	NPS1/4" × 18IN	NPS1/4" × 18IN
A95100-B	NPS1/4" × 18IN	NPS3/8" × 18IN
A95100-C	NPS3/8" × 18IN	NPS3/8" × 18IN
A95100-H	NPT1/2" × 18IN	NPT1/2" × 18IN

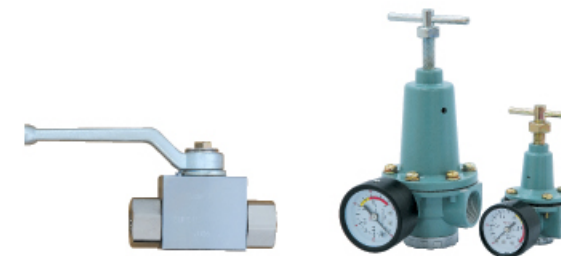


NEW EXTENSION BAR (AL)	GUN FITTING (F)	OUTLET FITTING (M)	LENGTH (CM)
G76090-A1	UNF7/8" × 14IN	M18" × 1.5P	732(13mm)
G76150-A1	UNF7/8" × 14IN	M18" × 1.5P	1332(13mm)
G76180-A1	UNF7/8" × 14IN	M18" × 1.5P	1632(13mm)

EXTENSION BAR	GUN FITTING (F)	OUTLET FITTING (M)	LENGTH (CM)
A90015-G	UNF7/8" × 14IN	UNC11/16" × 16IN	15(6mm)
A90020-G	UNF7/8" × 14IN	UNC11/16" × 16IN	20(6mm)
A90030-G	UNF7/8" × 14IN	UNC11/16" × 16IN	30(6mm)
A90040-G	UNF7/8" × 14IN	UNC11/16" × 16IN	40(6mm)
A90050-G	UNF7/8" × 14IN	UNC11/16" × 16IN	50(8mm)
A90060-G	UNF7/8" × 14IN	UNC11/16" × 16IN	60(8mm)
A90070-G	UNF7/8" × 14IN	UNC11/16" × 16IN	70(8mm)
A90080-G	UNF7/8" × 14IN	UNC11/16" × 16IN	80(8mm)
A90090-G	UNF7/8" × 14IN	UNC11/16" × 16IN	90(8mm)
A90100-G	UNF7/8" × 14IN	UNC11/16" × 16IN	100(8mm)
A90015-W	M18 × 1.5P	UNC11/16" × 16IN	15(6mm)
A90020-W	M18 × 1.5P	UNC11/16" × 16IN	20(6mm)
A90030-W	M18 × 1.5P	UNC11/16" × 16IN	30(6mm)
A90040-W	M18 × 1.5P	UNC11/16" × 16IN	40(6mm)
A90050-W	M18 × 1.5P	UNC11/16" × 16IN	50(8mm)
A90060-W	M18 × 1.5P	UNC11/16" × 16IN	60(8mm)
A90070-W	M18 × 1.5P	UNC11/16" × 16IN	70(8mm)
A90080-W	M18 × 1.5P	UNC11/16" × 16IN	80(8mm)
A90090-W	M18 × 1.5P	UNC11/16" × 16IN	90(8mm)
A90100-W	M18 × 1.5P	UNC11/16" × 16IN	100(8mm)



	GUN NOZZLE									
CODE	A96100-G	A96100-W	A96200	A96300	A96300-G	A96300-W	A96400-B	A96400-C	A96500-G	A96500-W
GUN FITTING (F)	UNF7/8" × 14IN	M18 × 1.5P	NPS3/8" × 18IN(M)	UNF1/2" × 20IN	UNF7/8" × 14IN	M18 × 1.5P	UNF1/2" × 20IN	UNF1/2" × 20IN	UNF7/8" × 14IN	M18 × 1.5
OUTLET FITTING (M)	11/16" × 16IN						AL		UNF7/8" × 14IN	
MATERIAL	S45C						AL			
AVAIL. WITH TIP FILTER	Available						Not Available			



HIGH PRESSURE VALVE / REGULATOR & GAUGE	INLET/OUTLET(F)
45313	PT1/4" × PT1/4
45404	PT3/4" × PT3/4
28405	PT3/8" × PT3/8



SANDING NOZZLE	HOSE FITTING(M-MM)	ID OUTLET(F-MM)
A99095	32	9.5
A99125	32	12.5
A99140	32	14

Table of Repair Kits



Model	Air Motor	Air Motor Kits	Dis-Pump	Dis-Pump Type	Dis-Pump Kits
Pro-Maru 731	Maru	R72100	63S200-A	Stainless steel	R63S200
			63D200	Carbon steel(Easy Servicing)	R63D200
			63200-A	Carbon steel	R63200
Pro-Maru 561	Maru	R72100	45S200-A	Stainless steel	R45S200
			45D200	Carbon steel(Easy Servicing)	R45D200
			45200-A	Carbon steel	R45200
Pro-Mir 681	Mir	R68100	68S200	Stainless steel	R68S200
			68200	Carbon steel(Easy Servicing)	R68200
Pro-Mir 631	Mir	R68100	63S200-A	Stainless steel	R63S200
			63D200-A	Carbon steel(Easy Servicing)	R63D200
			63200	Carbon steel	R63200
Pro-Mir 451	Mir	R68100	45S200-A	Stainless steel	R45S200
			45D200-A	Carbon steel(Easy Servicing)	R45D200
			45200	Carbon steel	R45200
Pro-Nuri 681	Nuri	R45100	68S200	Stainless steel	R68S200
			68200	Carbon steel(Easy Servicing)	R68200
Pro-Nuri 631	Nuri	R45100	63S200-A	Stainless steel	R63S200
			63D200-A	Carbon steel(Easy Servicing)	R63D200
			63200	Carbon steel	R63200
Pro-Nuri 451	Nuri	R45100	45S200-A	Stainless steel	R45S200
			45D200-A	Carbon steel(Easy Servicing)	R45D200
			45200	Carbon steel	R45200
Pro-Mirine 331	Mirine	R55P100	68S200	Stainless steel	R68S200
			68200	Carbon steel(Easy Servicing)	R68200
Pro-Mirine 301	Mirine	R55P100	63S200-A	Stainless steel	R63S200
			63D200-A	Carbon steel(Easy Servicing)	R63D200
			63200	Carbon steel	R63200
Pro-Mirine 241	Mirine	R55P100	45S200-A	Stainless steel	R45S200
			45D200-A	Carbon steel(Easy Servicing)	R45D200
			45200	Carbon steel	R45200
Pro-Nare 281	Nare	R28100-W	28S200	Stainless steel	R28S200
28200			Carbon steel	R28200	
Pro-Nare 101	Nare	R28100-W	10200	Carbon steel(Easy Servicing)	R10200
Pro-Hemi 171	Hemi	R23100	28S200	Stainless steel	R28S200
			28200	Carbon steel	R28200
Pro-Hemi 231	Hemi	R23100	23200	Carbon steel	R23200
Pro-Hemi 040	Hemi	R23100	10200	Carbon steel(Easy Servicing)	R10200

- Air Motor kit includes Air Direction Valves, O-rings, Gaskets, Packings and Backup-washer.
- Dis-Pump kit includes Glands, V-packings, O-rings, Washer, Gaskets, Balls, Retainer and Pin. (When ordering, we can meet your special V-packing type such as UHMWPE, PTFE, LEATHER)



Table of the tip-Connected Number

TIP MODEL OF INSIDE DIAMETER	CAPACITY OF SPOUTING OIL		RANGE OF ANGLE								
	A	B	1 (50-100)	2 (100-150)	3 (150-200)	4 (200-250)	5 (250-300)	6 (310-360)	7 (360-410)	8 (410-460)	9 (460-510)
07	0.15		107	207	307	407	509	609			
09	0.27		109	209	309	409	509	609			
11	0.42		111	211	311	411	511	611	711		
13	0.61		113	213	313	413	513	613	713	813	
15	0.80		115	215	315	415	515	615	715	815	
17	1.02		117	217	317	417	517	617	717	817	917
19	1.29		119	219	319	419	519	619	719	819	919
21	1.59		121	221	321	421	521	621	721	821	921
23	1.89			223	323	423	523	623	723	823	923
25	2.27			225	325	425	525	625	725	825	925
27	2.65	0.87		227	327	427	527	627	727	827	927
29	3.07	1.10		229	329	429	529	629	729	829	929
31	3.52	1.36		231	331	431	531	631	731	831	931
33	3.97	1.70		233	333	433	533	633	733	833	933
35	4.50	2.08		235	335	435	535	635	735	835	935
37	5.03	2.54		237	337	437	537	637	737	837	937
39	5.60	3.63		239	339	439	539	639	739	839	939
43	6.85	5.11			343	443	543	643	743	843	
47	8.14	7.15			347	447	547	647	747	847	
51	9.69	9.27				451	551	651	751		
55	11.32	11.92				455	555	655	755		
59		15.14				459	559	659	759		
63		18.93				463	563	663	763		
67							567	667			
71								671			

- Tips out of bold line should be ordered after confirmation of out stock and delivery date.
- Range of angle is based on 30cm spray distance.
- Capacity of spouting oil is based on following condition.
 "A" paint viscosity : 250 CPS, paint spraying pressure : 110kgf/cm²
 "B" paint viscosity : 56,000 CPS, paint spraying pressure : 110kgf/cm²

Reference : Explanation of TIP Number

