

DPS-120 | DPS-90

DDP-90F.TE



Pump Unit

DDP-120B.TE



Pump Unit

FEATURES

- Double Diaphragm Paint Pumps are the perfect choice for fluid delivery to manual and automatic spray guns
- Pneumatic pump control with double spool air circuit promises an excellent finish
- The pneumatic control system prevents forced stoppage of the pump
- Dead storage material channels and easily collapsible pump structure facilitate cleaning, inspection and maintenance
- Wear-resistant pump assembly
- Available with a 2-way connection (Aluminum & Stainless Steel models)

TECHNICAL DATA	DPS-120C.TE	DPS-90G.TE
Ratio	1:1	
Max. Working Pressure	7 bar (100 psi)	
Fluid Output at 30 cyc/min.	4.5 lt./min	1.5 lt./min
Fluid Output at 200 cyc/min. max.	30 lt./min	10 lt./min
Paint Viscosity	85 sec/Ford#4	
Working Temperature	5-40 C°	
Paint Outlet Filter	100 mesh	
Siphon Paint Filter	50 mesh	
Air Supply Nipple (To Gun)	N/A	
Air Supply Nipple (To Pump)	G1/4"	
Fluid Supply Nipple (To Gun)	Rc 3/8	
Fluid Inlet	G1/2"	

on Stand

on Tank Mount

on Cart

on Wall Mount

ASSEMBLY

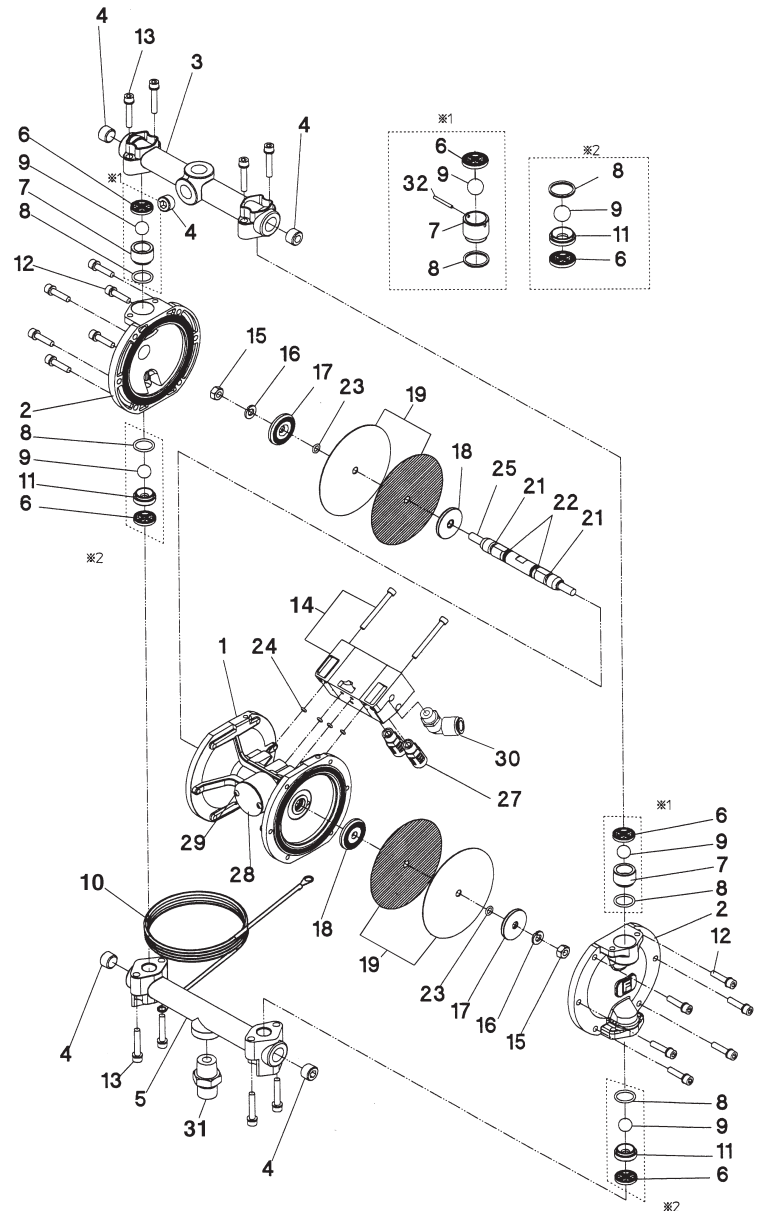
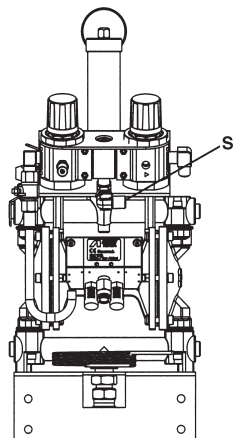
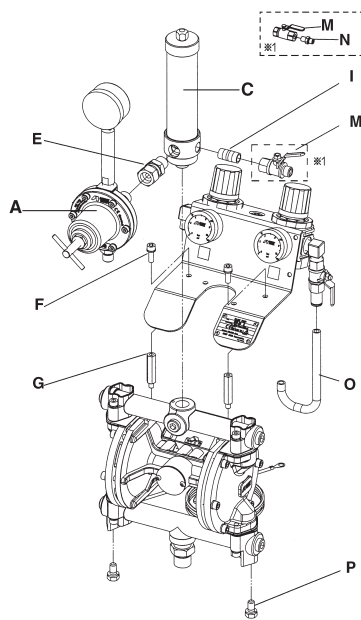


ORDER Information		DPS-120		DPS-90	
UNIT ASSEMBLY		MODELS	Code	MODELS	Code
PUMP UNIT	STAINLESS STEEL	DDP-120BN	8143B	DDP-90FN	8134F
STAND MOUNT		DPS-1201CN	8181	DPS-901GN	8171
TANK MOUNT		DPS-1202CN	8182	DPS-902GN	8172
CART MOUNT		DPS-1203CN	8183	DPS-903GN	8173
WALL MOUNT		DPS-1204CN	8184	DPS-904GN	8174
PAINT PRESSURE REGULATOR		PR-5BN	8060B	PR-5BLN	8077B

ACCESSORIES

Ref.	Code	Description	for Models
A	8281	PAINT REGULATOR SET PR-5BL	for Aluminum
A	8077B	PAINT REGULATOR SET PR-5BLN	for Stainless Steel
C	94493020	PAINT FILTER SET	
E	06859803	SWIVEL JOINT	for DPS 120-1C/-2C/-3C/-4C/-36C_DPS 90-1G/-2G/-3G/-4G/-36G
E	06859591	SWIVEL JOINT	for DPS 120-1CN/-2CN/-3CN/-4CN/-36CN and -WB_DPS 90-1GN/-2GN/-3GN/-4GN/-36GN and -WB
F	06357501	HEX. SOCKET BOLT WITH WASHER	
G	04493000	CONNECTING BOLT	
I	06642002	NIPPLE	
M	04432650	BALL VALVE	for DPS120-1C/-2C/-3C/-4C/-36C and DPS90-1G/-2G/-3G/-4G/-36G
M	04433630	BALL VALVE	for DPS 120-1CN/-2CN/-3CN/-4CN/-36CN and -WB_DPS 90-1GN/-2GN/-3GN/-4GN/-36GN and -WB
N	94343310	JOINT G1/4"R1/4"	for DPS 120-1CN/-2CN/-3CN/-4CN/-36CN and -WB_DPS 90-1GN/-2GN/-3GN/-4GN/-36GN and -WB
O	04494040	PIPE	
P	06994758	WASHER BOLT	
S	06859563	ELBOW UNION	for DPS 120-4C/-4CN and DPS 90-4G/-4GN

Accessories



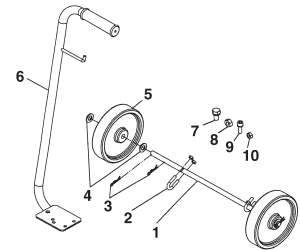
SPARE PARTS

Ref.	Code	Description	Qty.	DDP-90F	DDP-90FN	DDP-120B	DDP-120BN
1	94410622	MAIN BODY		X	X		
1	94437632	MAIN BODY				X	X
2	94456582	LID		X			
2	94414592	LID			X		
2	94439631	LID				X	
2	94453660	LID					X
3	94452640	UPPER ADAPTOR		X		X	
3	94414650	UPPER ADAPTOR			X		X
4	96990413	HEXAGON SOCKET PLUG		X		X	
4	96367202	HEXAGON SOCKET PLUG			X		X
5	94441630	LOWER ADAPTOR		X		X	
5	94416592	LOWER ADAPTOR			X		X
6	94935620	PACKING SET	2 pcs./1 pk	X	X		
6	94933290	PACKING SET	2 pcs./1 pk			X	X
7	94931630	EXHAUST VALVE	2 pcs./1 pk	X	X		
7	94935290	EXHAUST VALVE	2 pcs./1 pk			X	X
8	94932630	O-RING SET	2 pcs./1 pk	X	X		
8	94930300	O-RING SET	2 pcs./1 pk			X	X
9	94930630	STEEL BALL SET	2 pcs./1 pk	X	X		
9	94934290	STEEL BALL SET	2 pcs./1 pk			X	X
10	04492830	GROUND WIRE		X	X	X	X
11	94933630	INTAKE VALVE	2 pcs./1 pk	X	X		
11	94446630	INTAKE VALVE	2 pcs./1 pk			X	X
12	96357500	HEX. SOCKET BOLT WITH WASHER		X	X	X	X
13	96357502	HEX. SOCKET BOLT WITH WASHER		X	X	X	X
14	94490631	AIR OPERATING VALVE SET		X	X	X	X
15	96361081	HEX. NUT		X	X	X	X
16	96362080	SPRING WASHER		X	X	X	X
17	94414600	DIAPHRAGM HOLDER(OUTER)		X	X		
17	94448630	DIAPHRAGM HOLDER(OUTER)				X	X
18	94453581	DIAPHRAGM HOLDER(INNER)		X	X		
18	94449631	DIAPHRAGM HOLDER(INNER)				X	X
19	94931620	DIAPHRAGM SET	2 in+2 out	X	X		
19	94932301	DIAPHRAGM SET	2 in+2 out			X	X
21	96996610	Y PACKING		X	X	X	X
22	96630011	O-RING		X	X	X	X
23	96630008	O-RING		X	X	X	X
24	96630004	O-RING		X	X		
24	96630006	O-RING				X	X
25	94431590	ROD		X	X	X	X
27	94432590	MUFFLER		X	X	X	X
28	94456570	BLANKING COVER		X	X	X	X
29	96234002	TAPPING SCREW		X	X	X	X
30	06800202	ELBOW UNION		X	X	X	X
31	94427640	JOINT		X		X	
31	94428640	JOINT			X		X
32	94444630	PIN				X	X

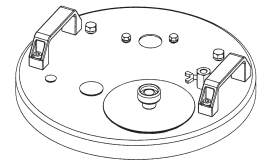
SPARE PARTS AND ACCESSORIES

Code	Description	
FOR ALL CART TYPES (Pict. A):		
94492770	WHEEL CART SET	
04493910	AXLE	1
06991938	"U" BOLT	2
06659020	SNAP PIN	3
06475122	WASHER	4
07990213	SOLID TIRE	5
04493920	HANDLE	6
06994758	BOLT + WASHER	7
06382082	HEX. NUT	8
06357501	HEX. SOCKET BOLT WITH WASHER	9
06382062	HEX. NUT	10
FOR ALL TANK TYPES (Pict. B):		
94492780	LID SET	
FOR ALL WALL BRACKET TYPES (Pict. C):		
04459630	WALL MOUNTING BRACKET	
06859563	ELBOW UNION (FOR AIR CONNECTION)	
HOPPER SET		
8147	HOPPER SET FOR DPS903/1203	
REGULATOR SET FOR TWO GUNS (Pict. D):		
8066B	2 GUN SETUP WITH 1 PR-5 REGULATOR	

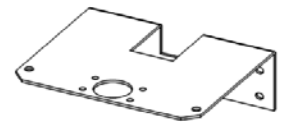
Pict. A



Pict. B

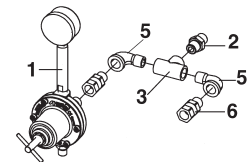


Pict. C

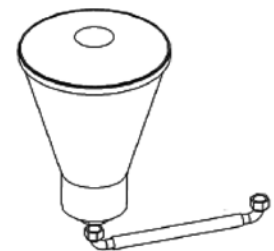


Pict. D

Stainless Steel type



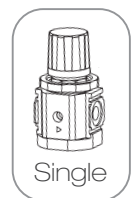
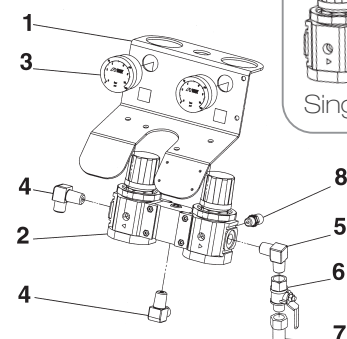
8147 Hopper Set



AIR REGULATOR SET

Code	Description	Ref.
04492860	PANEL	1
04492870	AIR REGULATOR SET (2 REGULATORS SET)	2
04492890	AIR REGULATOR (SINGLE)	
04492910	PRESSURE GAUGE	3
06858202	ELBOW R1/4" G1/4"	4
06859538	ELBOW R1/4" R1/4"	5
04492920	BALL VALVE RC1/4" R1/4"	6
06809136	FEMALE UNION Ø10 X RC1/4"	7
04492940	SAFETY VALVE	8

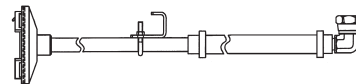
Air Regulator



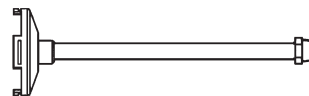
SUCTION HOSE & DRAIN HOSE SET

Code	Description	Ref.
SUCTION HOSE SET FOR CART TYPE (A) - STAND TYPE (B) - WALL BRACKET TYPE (D)		
04493830	SUCTION HOSE FOR ALUMINUM MODEL	Pict. 1
04494060	SUCTION HOSE FOR STAINLESS STEEL AND ANODIZED ALUMINUM MODEL	Pict. 1
04437930	SUCTION HOSE FOR DPS 701C/703C/704C/7036C- /CN STAINLESS STEEL	Pict. 1
SUCTION PIPE SET FOR TANK TYPE (C)		
04493670	SUCTION PIPE FOR ALUMINUM MODEL	Pict. 2
04404210	SUCTION PIPE FOR STAINLESS STEEL AND ANODIZED ALUMINUM MODEL	Pict. 2
04437830	SUCTION PIPE FOR DPS 704C- /CN STAINLESS STEEL	Pict. 2
SUCTION FILTER SET FOR ALL TYPES		
04637780	SUCTION FILTER	Pict. 3
0040720100	FILTER (50 mesh)	1
00407203	FILTER STOPPER	2
DRAIN HOSE SET FOR CART TYPE (A) - STAND TYPE (B) - WALL BRACKET TYPE (D)		
04493850	DRAIN HOSE FOR ALUMINUM MODEL	Pict. 4
04494090	DRAIN HOSE FOR STAINLESS STEEL AND ANODIZED ALUMINUM MODEL	Pict. 4
04493571	DRAIN HOSE FOR ALUMINUM MODEL	Pict. 5
04494220	DRAIN HOSE FOR STAINLESS STEEL AND ANODIZED ALUMINUM MODEL	Pict. 5
DRAIN HOSE SET FOR HOPPER TYPE (E)		
04400280	DRAIN HOSE	Pict. 6

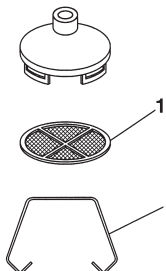
Pict. 1



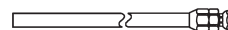
Pict. 2



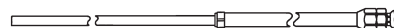
Pict. 3



Pict. 4



Pict. 5



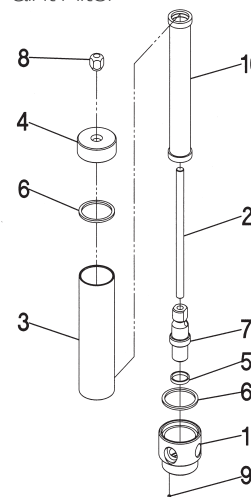
Pict. 6



PAINT FILTER SET

Code	Description	Ref.
04493020	PAINT FILTER SET	
04493030	BODY	1
04493040	FILTER BOLT	2
04493050	CYLINDER	3
04493060	CYLINDER CAP	4
04493070	PACKING	5
04493080	PACKING	6
04493090	JOINT	7
04493800	BOLT CAP	8
06583006	SPRING PIN	9
VFM2503	FILTER (100 MESH)	10

Paint Filter



Paint Flow Control Valve

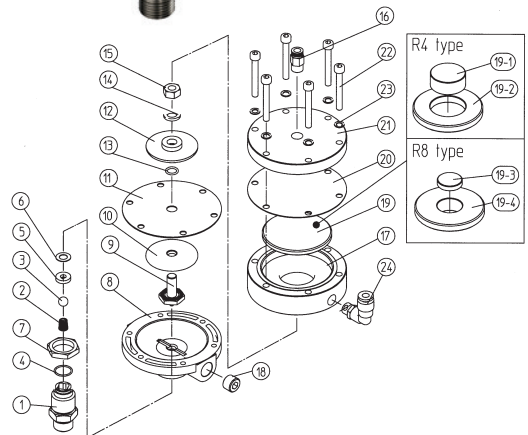
FCV-31 FCV-31 N-S1-R4 / -R8			
Code	Description	Type	Ref.
6762	FCV-31 PAINT FLOW CONTROL VALVE		
6765	FCV-31N PAINT FLOW CONTROL VALVE (STAINLESS STEEL)		
6766	FCV 31N-R4 PAINT FLOW CONTROL VALVE (STAINLESS STEEL)		
6767	FCV 31N-R8 PAINT FLOW CONTROL VALVE (STAINLESS STEEL)		
94700450	JOINT		1
94701451	VALVE SPRING		2
94702450	CARBIDE BALL		3
96639514	O RING		4
94703450	SEAT		5
94704450	PACKING		6
94731450	HEXAGON NUT		7
94705451	BODY		8
94707450	DIAPHRAGM BOLT		9
94708450	DIAPHRAGM HOLDER		10
94976440	DIAPHRAGM		11
94709451	DIAPHRAGM STOPPER		12
96995905	O RING		13
06500802	SPRING WASHER		14
96383086	HEXAGON NUT		15
96801161	HALF UNION		16
94757410	DIAPHRAGM CAP		17
06990412	PLUG WITH HEX. HOLE	(FCV-31)	18
96367201	PLUG WITH HEX. HOLE	(FCV-31N-S1)	18
94758410	DIAPHRAGM HOLDER (2) (1 pc.)	(FCV-31N-S1)	19
94768410	PISTON	(FCV-31N-S1-R4)	19-1
94766410	DIAPHRAGM HOLDER (2) (1 pc.)	(FCV-31N-S1-R4)	19-2
94769410	PISTON	(FCV-31N-S1-R8)	19-3
94767410	DIAPHRAGM HOLDER (2) (1 pc.)	(FCV-31N-S1-R8)	19-4
94759410	DIAPHRAGM (2) (1 pc.)		20
94760410	DIAPHRAGM CAP (2) (1 pc.)		21
96350540	BOLT WITH HEX.HOLE		22
96500502	SPRING WASHER		23
06800161	ELBOW UNION		24

FEATURES:

- Max. Flow Rate: 2.0 l/min
- Max. Primary Pressure: 25 bar/362 PSI
- Adj. Air Pressure: 0.0 ~ 6.0 bar/0 ~ 87 PSI
- Fluid Inlet Joint: G 3/8"B
- Fluid Outlet Joint: Rc 1/4"
- Air Hose: ø 6x4mm
- Mass Aluminum Version: 750 g
- Mass Stainless Steel Version: 950 g



Quick reset system

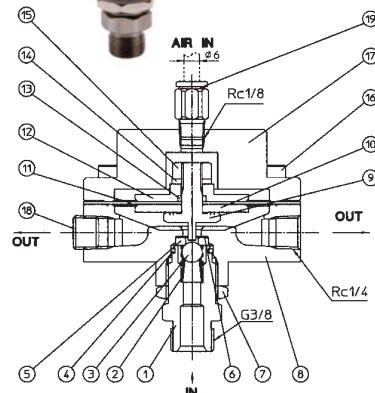


Paint Flow Control Valve

FCV-3		
Code	Description	Ref.
6760	FCV-3 PAINT FLOW CONTROL VALVE	
6761	FCV-3N PAINT FLOW CONTROL VALVE	
94700450	JOINT	1
94701451	VALVE SPRING	2
94702450	CARBIDE BALL	3
96639514	O RING	4
94703450	SEAT	5
94704450	PACKING	6
94731450	HEXAGON NUT	7
94705451	BODY	8
94707450	DIAPHRAGM BOLT	9
94708450	DIAPHRAGM HOLDER	10
94976440	DIAPHRAGM	11
94709451	DIAPHRAGM STOPPER	12
96995905	O RING	13
06500802	SPRING WASHER	14
96383086	HEXAGON NUT	15
96357480	HEXAGON SOCKET BOLT + WASHER	16
94757400	DIAPHRAGM CAP	17
96990412	PLUG	18
96801161	HALF UNION	19

FEATURES:

- Max. Flow Rate: 2.0 l/min
- Max. Primary Pressure: 25 bar/362 PSI
- Max. Air Pressure: 6.0 bar/87 PSI
- Fluid Inlet Joint: G 3/8"B
- Fluid Outlet Joint: Rc 1/4"
- Air Hose: ø 6x4 mm
- Mass : 850 g

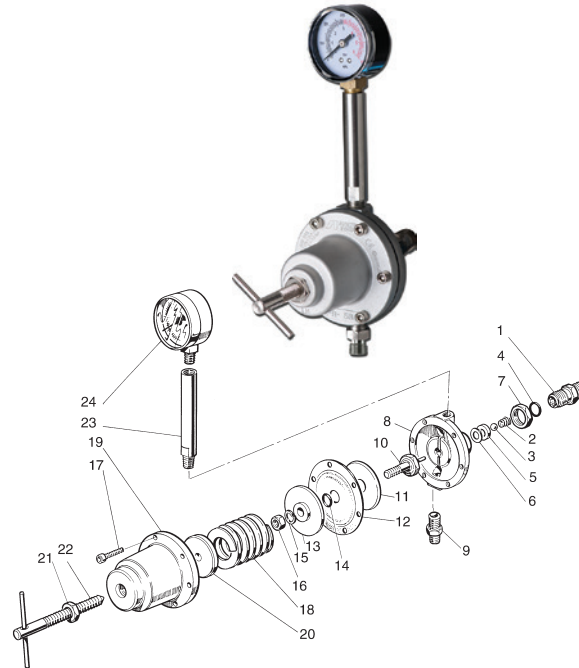


Paint Pressure Regulator

PR-5BL PR-5BL N			
Code	Description	Type	Ref.
8077B	PR-5BLN PAINT PRESSURE REGULATOR (STAINLESS STEEL)		
94700450	JOINT		1
94701451	VALVE SPRING		2
04702450	TUNGSTEN CARBIDE BALL		3
96639514	O RING		4
94703450	CARBIDE SEAT		5
94704450	PACKING		6
94731450	HEXAGON NUT		7
94705451	MAIN BODY	PR-5BL.TE	8
94724451	MAIN BODY	PR-5BLN.TE	8
04754450	JOINT 1/4" - G 3/8"	STAINLESS STEEL	9
94707450	DIAPHRAGM BOLT		10
94708450	DIAPHRAGM HOLDER		11
94976440	DIAPHRAGM		12
94709451	DIAPHRAGM STOPPER		13
96995905	O RING		14
06500802	SPRING WASHER		15
96383086	HEX NUT		16
96357480	BOLT WITH HEX HOLE		17
94720440	ADJ.SPRING		18
94711451	DIAPHRAGM CAP		19
94713450	SPRING HOLDER		20
94717501	HEX NUT		21
94970440	HANDLE SET		22
94725450	RISING PIPE		23
04755451	PRESSURE GAUGE		24

FEATURES:

- Max. Flow rate: 1.5 l/min
- Max. Primary Pressure: 7.0 bar/101 PSI
- Secondary Pressure range: 0.0 ~ 3.0 bar/0 ~ 43 PSI
- Fluid IN/OUT Joint: G 3/8"B
- Mass: 850 g



Back Pressure Valve for Paint Recirculation

PR-B5 PR-B5 BN			
Code	Description		Ref.
8078B	PR-B5 BN BACK PRESSURE VALVE (STAINLESS STEEL)		
94700450	JOINT		1
96639514	O RING		4
94703450	CARBIDE VALVE		5
94704450	PACKING		6
94731450	HEXAGON NUT		7
04737450	DIAPHRAGM BOLT		10
94708450	DIAPHRAGM HOLDER		11
94976440	DIAPHRAGM		12
94709451	DIAPHRAGM STOPPER		13
96995905	O RING		14
06500802	SPRING WASHER		15
96383086	HEXAGON NUT		16
96357480	HEXAGON SOCKET BOLT + WASHER		17
94720440	ADJUSTING SPRING		18
94711451	DIAPHRAGM CAP		19
94713450	SPRING STOPPER		20
94717501	HEXAGON NUT		21
94970440	HANDLE SET		22
94725450	RISING PIPE		23
07201092	PRESSURE GAUGE		24
UL30010600	JOINT RC. 1/4" - G 3/8"		25

FEATURES:

- Max. Flow rate: 2.0 l/min
- Max. Primary Pressure: 6.0 bar/87 PSI
- Fluid Inlet joint: G 1/4"B
- Fluid Outlet joint: G 3/8"B
- Mass Aluminum version: 850 g
- Mass Stainless Steel version: 1020 g

