SAMOA®
LEADING THROUGH INNOVATION

Part No.

UP20A-XAX-XXX
UP20A-XFX-XXX
UP20A-XSX-XXX
UP20S-XSX-XXX
UP20L-XSX-XXX

Spare Parts Kits



PIVOT
UNIVERSAL PUMP

2” DOUBLE DIAPHRAGM PUMP UP20 (650 l/min-170 gal/min)

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UP20 PIVOT SERIES

2" METALLIC PUMPS

Part #

UP20A-XAX-XXX
UP20A-XFX-XXX
UP20A-XSX-XXX
UP20S-XSX-XXX
UP20L-XSX-XXX



Product specifications are subject to change without notice.

UP20 PIVOT SERIES, 2" METALLIC PUMPS

PUMP NOMENCLATURE

Examples: UP20X-XXX-XXX
UE20X-XXX-XXX-X

2"
650 l/min
(172 US gal/min)

UP20X	XXX			XXX			X
PUMP TYPE	**AIR MOTOR**	**HOUSINGS**			**WETTED PARTS**			**ACCESSORIES**
1 Pump Type & Size	**2** Central Body & Air Chambers	**3** Fluid Ports / Location	**4** Fluid Chambers & Manifolds	**5** Hardware Bolts	**6** Valve Seats	**7** Valve Balls	**8** Diaphragms Type & Material	**9** Accessories (UE pumps only)
UP20 Universal Pump (Bolted) UE20 Universal Pump (Bolted) with electronic interface	⟨Ex⟩ ATEX Certified A = Aluminium L = Conductive polypropylene with Stainless Steel air chambers S = AISI 316 Stainless Steel	B = 2" BSP Threaded Ports / Centre horizontal C = 2" ANSI/ DIN Flanged Ports / Centre Horizontal N = 2" NPTF Threaded Ports / Centre Horizontal	⟨Ex⟩ ATEX Certified A = Aluminium F = Ductile Iron S = AISI 316 Stainless Steel	C = Carbon Steel S = Stainless Steel	A = Aluminium D = AISI 440 Hardened Stainless Steel H = TPE (Hytrel®) M = TPV (Santoprene®) N = Nitrile (Buna-N) S = AISI 316 Stainless Steel	H = TPE (Hytrel®) M = TPV (Santoprene®) N = Nitrile (Buna-N) S = AISI 316 Stainless Steel T = PTFE (Teflon®) V = FKM (Viton®)	**Conventional** A = TPV (Santoprene®) **C** = TPE (Hytrel®) G = Nitrile (Buna-N) V = FKM (Viton®) **Two-piece** Z = PTFE (Teflon®) with TPV (Santoprene®) backer **Overmolded** H = TPE (Hytrel®) N = Nitrile (Buna-N) T = PTFE / EPDM (Bonded)	A = Diaphragm leak detectors B = Diaphragm leak detectors (ATEX) C = Stroke sensor D = Stroke sensor (PLC) E = Stroke sensor (ATEX) F = Diaphragm leak detectors + Stroke sensor G = Diaphragm leak detectors + Stroke sensor (PLC) H = Diaphragm leak detectors + Stroke sensor (ATEX)

Viton® & Teflon® is a registered trademark of the Chemours Company, Santoprene® and Hytrel® is a registered trademark of the Celanese Corporation, L.P. Kynar® is a registered trademark of Arkema, Inc.

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VALVE SEATS

Part #	Pos.	Description	Valid for:
UP20R-WP-A00	4x(6)	Aluminum Valve Seats (Hard)	UP20X-XXX-AXX
UP20R-WP-D00	4x(6)	AISI-440 Hardened Stainless Steel Valve Seats (Hard)	UP20X-XXX-DXX
UP20R-WP-S00	4x(6)	AISI-316 Stainless Steel Valve Seats (Hard)	UP20X-XXX-SXX
UP20R-WP-H00	4x(4)	TPE Hytrel Valve Seats (Soft)	UP20X-XXX-HXX
UP20R-WP-M00	4x(4)	TPV Santoprene Valve Seats (Soft)	UP20X-XXX-MXX
UP20R-WP-N00	4x(4)	Nitrile Valve Seats (Soft)	UP20X-XXX-NXX

VALVE BALLS

Part #	Pos.	Description	Valid for:
UP20R-WP-0H0	4x(3)	TPE Hytrel Valve Balls	UP20X-XXX-XHX
UP20R-WP-0M0	4x(3)	TPV Santoprene Valve Balls	UP20X-XXX-XMX
UP20R-WP-0N0	4x(3)	Nitrile Valve Balls	UP20X-XXX-XNX
UP20R-WP-0S0	4x(3)	AISI-316 Stainless Steel Valve Balls	UP20X-XXX-XSX
UP20R-WP-0T0	4x(3)	PTFE Valve Balls	UP20X-XXX-XTX
UP20R-WP-0V0	4x(3)	FKM Viton Valve Balls	UP20X-XXX-XVX

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DIAPHRAGMS

Part #	Pos.	Description	Valid for:
UP20R-WP-00A	2x(38)	TPV Santoprene Diaphragms	UP20X-XXX-XX**A**
UP20R-WP-00C	2x(38)	TPE Hytrel Diaphragms	UP20X-XXX-XX**C**
UP20R-WP-00G	2x(38)	Nitrile Diaphragms	UP20X-XXX-XX**G**
UP20R-WP-00V	2x(38)	FKM Viton Diaphragms	UP20X-XXX-XX**V**
UP20R-WP-00Z	2x(39), 2x(40), 2x(41)	PTFE + TPV Santoprene Diaphragms (x10 holes)	UP20X-XXX-XX**Z**
UP20R-WP-00H	2x(37)	TPE Hytrel Overmolded Diaphragms	UP20X-XXX-XX**H**
UP20R-WP-00N	2x(37)	Nitrile Overmolded Diaphragms	UP20X-XXX-XX**N**
UP20R-WP-00T	2x(37)	PTFE Overmolded Diaphragms	UP20X-XXX-XX**T**

VALVE SEATS O-RING

Part #	Pos.	Description	Valid for:
UP20R-WP-99T	8x(5)	PTFE Valve Seats O-rings	UP20X-XXX-XX**Z** UP20X-XXX-XX**T**
UP20R-WP-99V	8x(5)	FKM Valve Seats O-rings	UP20X-XXX-XX**C** UP20X-XXX-XX**H** UP20X-XXX-XX**V**
UP20R-WP-99N	8x(5)	Nitrile Valve Seats O-rings	UP20X-XXX-XX**G** UP20X-XXX-XX**N**
UP20R-WP-99E	8x(5)	EPDM Valve Seats O-rings	UP20X-XXX-XX**A**

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AIR MOTOR

Part #	Pos.	Description	Valid for:
UP20R-AM-1A0	2x(16), 18	Aluminum Air Motor	UP20**A**-X**A**X-XXX UP20**A**-X**F**X-XXX
UP20R-AM-1B0	2x(16), 18	Conductive Polypropylene Air Motor	UP20**A**-X**S**X-XXX UP20**S**-X**S**X-XXX UP20**L**-X**S**X-XXX
UP20R-AM-200	2x(21), 2x(22), 2x(23), 2x(24),4x(25), 2x(26), 2x(27), 2x(28),4x(29)	Air Sensors	All UP20 Models
UP20R-AM-300	2x(25), 30, 2x(31), 2x(32)	Central Rod	All UP20 Models
UP20R-AM-400	13, 2x(16), 17, 2x(32), 2x(33), 2x(34)	Air Motor Gaskets	All UP20 Models
UP20R-AM-500	19	Air Motor Exhaust	All UP20 Models

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INLET MANIFOLDS

Part #	Pos.	Description	Valid for:
UP20R-HP-1AB	7	BSP Aluminum Inlet Manifold	UP20X-**BA**X-XXX
UP20R-HP-1AN	7	NPT Aluminum Inlet Manifold	UP20X-**NA**X-XXX
UP20R-HP-1AC	8	Flanged Aluminum Inlet Manifold	UP20X-**CA**X-XXX
UP20R-HP-1FB	7	BSP Ductile Iron Inlet Manifold	UP20X-**BF**X-XXX
UP20R-HP-1FN	7	NPT Ductile Iron Inlet Manifold	UP20X-**NF**X-XXX
UP20R-HP-1FC	8	Flanged Ductile Iron Inlet Manifold	UP20X-**CF**X-XXX
UP20R-HP-1SB	7	BSP AISI-316 Stainless Steel Inlet Manifold	UP20X-**BS**X-XXX
UP20R-HP-1SN	7	NPT AISI-316 Stainless Steel Inlet Manifold	UP20X-**NS**X-XXX
UP20R-HP-1SC	8	Flanged AISI-316 Stainless Steel Inlet Manifold	UP20X-**CS**X-XXX

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OUTLET MANIFOLDS

Part #	Pos.	Description	Valid for:
UP20R-HP-2AB	2	BSP Aluminum Outlet Manifold	UP20X-**BA**X-XXX
UP20R-HP-2AN	2	NPT Aluminum Outlet Manifold	UP20X-**NA**X-XXX
UP20R-HP-2AC	1	Flanged Aluminum Outlet Manifold	UP20X-**CA**X-XXX
UP20R-HP-2FB	2	BSP Ductile Iron Outlet Manifold	UP20X-**BF**X-XXX
UP20R-HP-2FN	2	NPT Ductile Iron Outlet Manifold	UP20X-**NF**X-XXX
UP20R-HP-2FC	1	Flanged Ductile Iron Outlet Manifold	UP20X-**CF**X-XXX
UP20R-HP-2SB	2	BSP AISI-216 Stainless Steel Outlet Manifold	UP20X-**BS**X-XXX
UP20R-HP-2SN	2	NPT AISI-216 Stainless Steel Outlet Manifold	UP20X-**NS**X-XXX
UP20R-HP-2SC	1	Flanged AISI-216 Stainless Steel Outlet Manifold	UP20X-**CS**X-XXX

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FLUID CHAMBERS

Part #	Pos.	Description	Valid for:
UP20R-HP-3A0	43	Aluminum Fluid Chamber (Black color)	UP20X-XAX-XXX
UP20R-HP-3F0	43	Ductile Iron Fluid Chamber	UP20X-XFX-XXX
UP20R-HP-3S0	43	AISI-316 Stainless Steel Fluid Chamber	UP20X-XSX-XXX

AIR CHAMBERS

Part #	Pos.	Description	Valid for:
UP20R-HP-4A0	35	Aluminum Air Chamber (Black color)	UP20A-XAX-XXX UP20A-XFX-XXX UP20A-XSX-XXX
UP20R-HP-4S0	35	AISI-316 Stainless Steel Air Chamber	UP20S-XSX-XXX UP20L-XSX-XXX

PUMP CENTRAL BODY

Part #	Pos.	Description	Valid for:
UP20R-HP-5A0	10	Aluminum Central Body (Black color)	UP20A-XAX-XXX UP20A-XFX-XXX UP20A-XSX-XXX
UP20R-HP-5S0	10	AISI-316 Stainless Steel Central Body	UP20S-XSX-XXX
UP20R-HP-5B0	10	Conductive Polypropylene Central Body	UP20L-XSX-XXX

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SMALL AIR PISTONS

REPAIR KITS VALID ONLY FOR UP20 PUMPS WITH:

- Nitrile (N) Overmolded Diaphragms: UP20X-XXX-XXN
- PTFE (T) Overmolded Diaphragms: UP20X-XXX-XXT

SMALL AIR PISTONS

Part #	Pos.	Description	Valid for:
UP20R-HP-6A1	2x(36)	Aluminum Air Piston (Small)	UP20A-XAX-XXN UP20A-XAX-XXT UP20A-XAX-XXN UP20A-XFX-XXT UP20A-XSX-XXN UP20A-XSX-XXT
UP20R-HP-6S1	2x(36)	AISI-316 Stainless Steel Air Piston (Small)	UP20S-XSX-XXN UP20S-XSX-XXT UP20L-XSX-XXN UP20L-XSX-XXT

BIG AIR PISTONS

REPAIR KITS VALID ONLY FOR UP20 PUMPS WITHOUT:

- Nitrile (N) Overmolded Diaphragms: UP20X-XXX-XXN
- PTFE (T) Overmolded Diaphragms: UP20X-XXX-XXT

BIG AIR PISTONS

Part #	Pos.	Description	Valid for:
UP20R-HP-6A0	2x(36)	Aluminum Air Piston (Big)	UP20A-XAX-XXX UP20A-XFX-XXX UP20A-XSX-XXX
UP20R-HP-6S0	2x(36)	AISI-316 Stainless Steel Air Piston (Big)	UP20S-XSX-XXX UP20L-XSX-XXX

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FLUID PISTONS

REPAIR KITS VALID ONLY FOR UP20 PUMPS
WITHOUT OVERMOLDED DIAPHRAGMS:

- Hytrel (H) Overmolded Diaphragms: UP20X-XXX-XX**H**
- Nitrile (N) Overmolded Diaphragms: UP20X-XXX-XX**N**
- PTFE (T) Overmolded Diaphragms: UP20X-XXX-XX**T**

(UP20 OVERMOLDED DIAPHRAGM REPAIR KITS INCLUDES FLUID PISTON)

FLUID PISTONS

Part #	Pos.	Description	Valid for:
UP20R-HP-7A0	2x(42)	Aluminum Fluid Piston	UP20**A**-X**A**X-XXX
UP20R-HP-7S0	2x(42)	AISI-316 Stainless Steel Fluid Piston	UP20**A**-X**F**X-XXX UP20**A**-X**S**X-XXX UP20**S**-X**S**X-XXX UP20**L**-X**S**X-XXX

AIR MOTOR COVER

Part #	Pos.	Description	Valid for:
UP20R-HP-8A0	6x(11), 12, 13, 14, 2x(15), 16, 17	Aluminum Air Motor Cover (Black color)	UP20**A**-X**A**X-XXX UP20**A**-X**F**X-XXX UP20**A**-X**S**X-XXX
UP20R-HP-8S0	6x(11), 12, 13, 14, 2x(15), 16, 17	AISI-316 Stainless Steel Air Motor Cover	UP20**S**-X**S**X-XXX
UP20R-HP-8B0	6x(11), 12, 13, 14, 2x(15), 16, 17	Conductive Polypropylene Air Motor Cover	UP20**L**-X**S**X-XXX

EXTERNAL HARDWARE BOLTS

Part #	Pos.	Description	Valid for:
UP20R-HP-9S1 *	26x(9), 6x(11)	AISI-316 Stainless Steel External Hardware Bolts	UP20**A**-X**SS**-XXX

** This spare part is also valid for upgrade the UP20**A**-X**AC**-XXX and UP20**A**-X**FC**-XXX pumps, which have factory-installed Carbon Steel screws.*

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