

2" METALLIC PUMPS

The 2" Air Operated Double Diaphragm Pumps made of cast metal can reach a flow rate of up to 650 l/min (160 GPM) and they offer a wide range of construction materials and porting configurations. The pump design ensures high abrasion resistance when pumping abrasive media and low flow resistance. These pumps are often used for transferring, filling, recirculating and batch dispensing in a variety of industries such as: Ceramic & Porcelain, Paint & Varnish, Oil & Gas, Waste Water, Mining & Building, Automobile Industry, Chemical and Petrochemical markets.



MAIN APPLICATIONS


- CERAMIC & PORCELAIN
- PAINT & VARNISH INDUSTRY
- OIL & GAS / PETROCHEMICAL
- WASTE WATER / WATER TREATMENT
- FILTER PRESS
- MINING & BUILDING
- CHEMICAL / PROCESSING
- PULP AND PAPER / CARDBOARD

TECHNICAL DATA

METAL PUMPS

Pressure Ratio	1:1
Maximum Free Delivery	650 l/min (172 US gal/min)
Air pressure range	1,5 to 7 bar (22 to 100 psi)
Solids in suspension, Max. size	6,4 mm (1/4")
Max dry suction lift	5 m (16')
Max wet suction lift	8 m (26')
Fluid inlet/outlet ports (Female) (Female)	2" NPTF Threaded 2" BSP(F) Threaded 2" ANSI/DIN Flanged
Air Inlet Port (Female) (Female)	3/4" BSP(F) 3/4" NPT (F)
Air Exhaust Port (Female)	1 1/2" NPT (F)
Sound level	85 db (A) @ 50 Cycles/min @ 70 psi
Weight (Aluminium version)	46 kg (101 lb)
Weight (Ductile Iron version)	74 kg (163 lb)
Weight (Stainless St. version)	76 kg (168 lb)

PUMP NOMENCLATURE

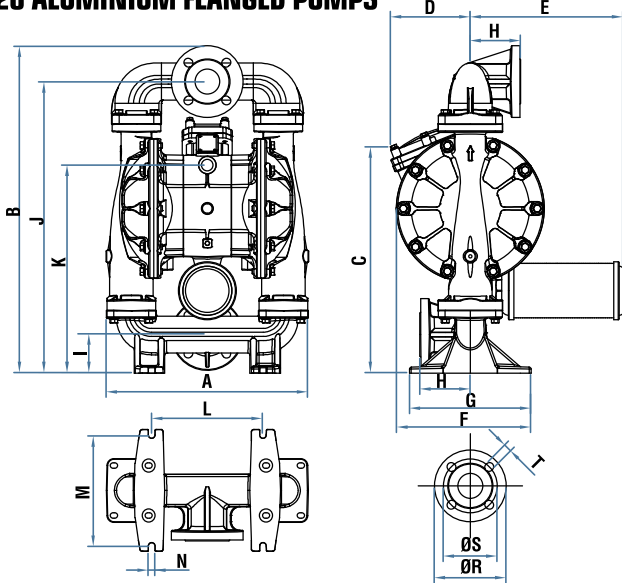
UX20X		XXX			XXX		
PUMP TYPE	AIR BODY	WETTED PATH		VALVES & DIAPHRAGMS			
1 Pump Type & Size	2 Center Body & Air Caps	3 Fluid Ports	4 Fluid Caps & Manifolds	5 Hardware Bolts	6 Valve Seats	7 Valve Balls	8 Diaphragms Type & Material
UP20 Standard Pump (Bolted) UE20 Electronic Interface Accessible Pump	A* -Aluminium S* -Stainless Steel with Stainless Steel air covers  ATEX Certified P -Poly-propylene with Stainless Steel air covers	B -2"BSP Threaded Ports Center horizontal N -2"NPTF Threaded Ports Center Horizontal C -2" ANSI/DIN Flanged Ports Center Horizontal	A -Aluminium F -Ductile Iron S -Stainless Steel	C -Carbon Steel S -Stainless Steel	A -Aluminium S -Stainless Steel 316 H -Hytre [®] M -Santoprene [®] N -Nitrile (Buna-N) P -Polypropylene W -PVDF (Kynar [®])	N -Nitrile (Buna-N) V -FKM (Viton [®]) H -Hytre [®] M -Santoprene [®] T -PTFE (Teflon [®]) S -Stainless Steel 316	Conventional C -Hytre [®] A -Santoprene [®] V -FKM (Viton [®]) G -Nitrile (Buna-N) Two-piece Z -PTFE (Teflon [®] w/ Santoprene backer) Overmolded N -Nitrile (Buna N) H -Hytre [®] M -Santoprene [®] T -PTFE (Teflon [®])

*  Pumps for use in hazardous locations ATEX Group II 2GDx.

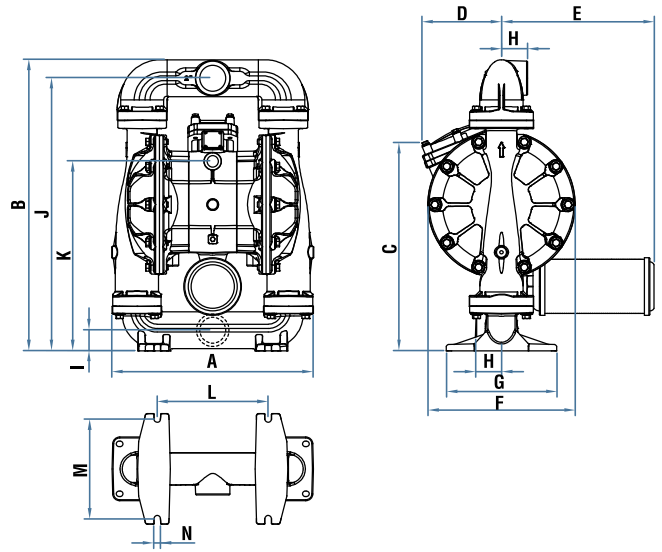
Hytre[®] is a registered trademark of the DuPont Company, Viton[®] & Teflon[®] of the Chemours Company and Santoprene[®] of the Monsanto Company, licensed for Advanced Elastomer Systems, L.P. Kynar[®] is a registered trademark of Arkema, Inc.

2" METALLIC PUMPS: DIMENSIONS AND CAPACITY CURVES

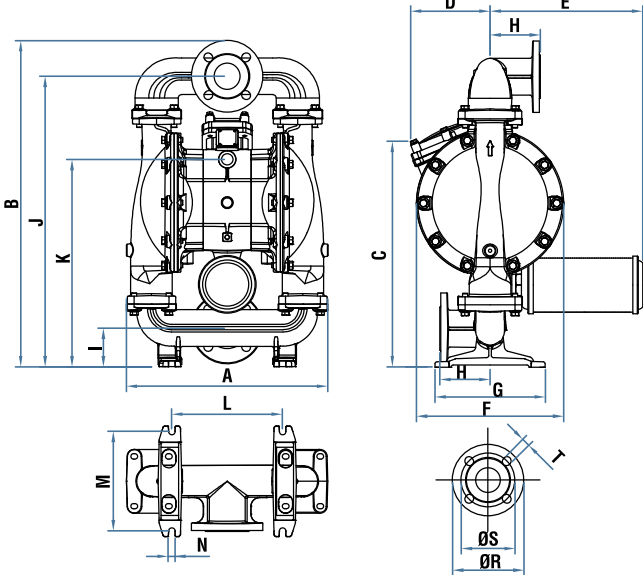
UP20 ALUMINIUM FLANGED PUMPS



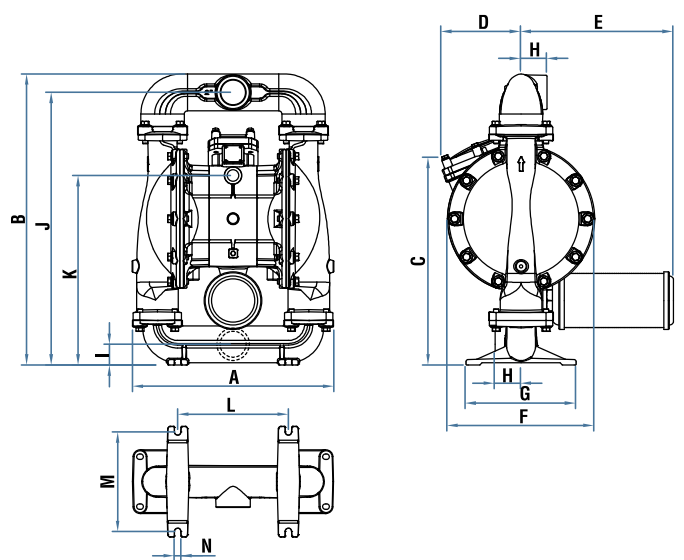
UP20 ALUMINIUM THREADED PUMPS



UP20 STAINLESS STEEL/IRON FLANGED PUMPS



UP20 STAINLESS STEEL/IRON THREADED PUMPS



DIMENSIONS (mm)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	R	S	T
UP20 FLANGED PUMP	465	754	251	184	353	340	255	116	89	671	479	256	230	15	165	120,6-125	19
UP20 THREADED PUMP	465	672	480	184	353	340	255	60	48	630	438	256	230	15	-	-	-

DIMENSIONS (inches)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	R	S	T
UP20 FLANGED PUMP	18 5/16	29 11/16	9 7/8	7 1/4	13 57/64	13 25/64	10 3/64	4 9/16	3 1/2	26 27/64	18 55/64	10 5/64	9 1/16	19/32	6 1/2	4 3/4-4 59/64	3/4"
UP20 THREADED PUMP	18 5/16	26 29/64	18 57/64	7 1/4	13 57/64	13 25/64	10 3/64	2 23/64	1 57/64	24 51/64	17 1/4	10 5/64	9 1/16	19/32	-	-	-

