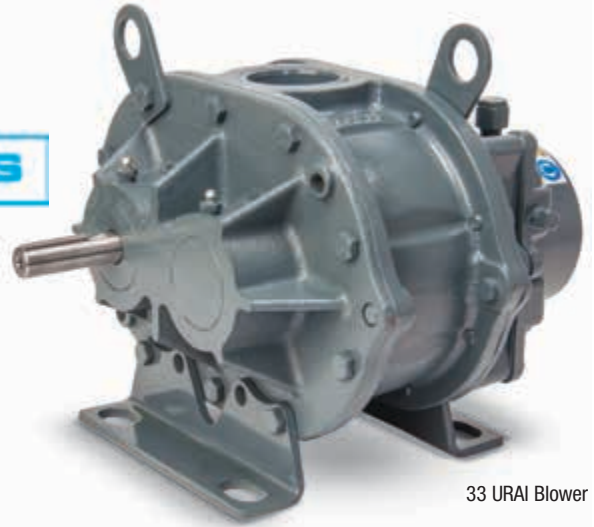


Hundreds of blowers in stock for same day shipping!

Roots™ Universal RAI® Series Blowers

- Rugged construction—perfect for wastewater aeration applications
- Repair kits available to maintain your blowers



33 URAI Blower

Roots positive displacement blowers are used extensively in wastewater treatment plants worldwide. The Universal RAI Series provides versatility and rugged construction, making it especially desirable for wastewater aeration applications.

All URAI blowers share common design features that are original to Roots and have been continually developed from years of field experience. The casing, head plates and dynamically balanced impellers are machined from cast iron. Alloy steel timing gears are center timed to allow clockwise or counterclockwise rotation and are taper mounted to alloy steel shafts with locknuts for press-fit performance. Oversized anti-friction bearings, along with a cylindrical roller bearing at the drive shaft, help withstand V-belt pull. Blowers can be mounted in any of four positions by simply moving the bolt-on feet from one position on the case to another and relocating lubrication fill, drain and breather locations.

URAI Standard and URAI-DSL blowers have identical mounting configurations and are completely interchangeable with one another. URAI Standard blowers have oil lube on the gear end and grease lube on the drive end; URAI-DSL® blowers (Dual Splash Lubrication) feature splash oil lubrication on the gear and drive ends. Sight glasses (3/8") are provided in each gear case for accurate oil level confirmation.

URAI-J and URAI-J DSL Series blowers feature a silencing cavity cast into the discharge port. Airflow pulsation is smoothed out, reducing noise levels by 3 to 5 dBA. In applications where noise reduction is critical, using a "J" series blower is a cost-effective way to reduce sound levels beyond what silencers can accomplish.

Repair kits (sold separately) include all the necessary bearings, gaskets and seals to maintain your blower. Available with or without replacement gears.

ROOTS Warranty

The Roots conditional factory warranty is the strongest in the industry. It covers defects in materials/workmanship for 24 months after date of installation, or 30 months from date of original shipment, whichever comes first.



Shipping: Blowers over 60 lbs ship motor freight.

Replacing a Roots AF Series blower with a URAI? Please supply . . .

1. Blower model
2. Motor hp
3. Diameter of motor and blower sheaves

BLOWER SIZE	DIAMETER INLET/OUTLET	SHAFT SIZE	WT (LBS)	STOCK #	EACH	REPAIR KITS WITHOUT GEARS		REPAIR KITS WITH GEARS	
						STOCK #	EACH	STOCK #	EACH
URAI STANDARD SERIES BLOWERS									
22	1" NPT	0.625"	32	49076	\$	55911	\$	55910	\$
24	2" NPT	0.625"	43	49078		55911		55910	
32	1 1/4" NPT	0.75"	69	49088		55913		55912	
33	2" NPT	0.75"	74	49080		55913		55912	
36	2 1/2" NPT	0.75"	102	49082		55913		55912	
42	1 1/2" NPT	0.875"	88	49083		55915		55914	
45	2 1/2" NPT	0.875"	109	49084		55915		55914	
47	3" NPT	0.875"	128	49077		55915		55914	
53	2 1/2" NPT	1.125"	143	49085		55917		55916	
56	4" NPT	1.125"	170	49086		55917		55916	
59	4" NPT	1.125"	204	49079		55917		55916	
65	3" NPT	1.375"	245	49089		55919		55918	
68	5" NPT	1.375"	285	49075		55919		55918	
615	6" FLG	1.375"	425	49081		55919		55918	
76	4" NPT	1.562"	400	49091		55921		55920	
711	6" FLG	1.562"	530	49090		55921		55920	
718	8" FLG	1.562"	650	49092		55921		55920	
URAI DSL SERIES BLOWERS									
32	1 1/4" NPT	0.75"	72	49053	\$	55913	\$	55912	\$
33	2" NPT	0.75"	77	49054		55913		55912	
36	2 1/2" NPT	0.75"	105	49056		55913		55912	
42	1 1/2" NPT	0.875"	92	49058		55915		55914	
45	2 1/2" NPT	0.875"	113	49059		55915		55914	
47	3" NPT	0.875"	132	49061		55915		55914	
53	2 1/2" NPT	1.125"	148	49063		55917		55916	
56	4" NPT	1.125"	175	49064		55917		55916	
59	4" NPT	1.125"	209	49066		55917		55916	
65	3" NPT	1.375"	250	49067		55923		55922	
68	5" NPT	1.375"	290	49068		55923		55922	
615	6" FLG	1.375"	430	49069		55923		55922	
URAI-J SERIES WHISPAIR BLOWERS									
33	2" NPT	0.75"	84	49103	\$	55913	\$	55912	\$
36	2 1/2" NPT	0.75"	112	49104		55913		55912	
45	2 1/2" NPT	0.875"	119	49105		55915		55914	
47	3" NPT	0.875"	138	49106		55915		55914	
56	4" NPT	1.125"	190	49107		55917		55916	
URAI-J DSL SERIES WHISPAIR BLOWERS									
33	2" NPT	0.75"	84	49055	\$	55913	\$	55912	\$
36	2 1/2" NPT	0.75"	112	49057		55913		55912	
45	2 1/2" NPT	0.875"	119	49060		55915		55914	
47	3" NPT	0.875"	138	49062		55915		55914	
56	4" NPT	1.125"	190	49065		55917		55916	

We also RECOMMEND...

Blower Oil & Grease

USABlueBook highly recommends that customers stick with the lubrication recommended by your blower manufacturer. Failure to do so can void your blower warranty.



DESCRIPTION	SIZE	AMBIENT TEMP RANGE	STOCK #	EACH
ISO 150	1 Quart	0 to 32°F	49141	\$
ISO 150	1 Gallon	0 to 32°F	75635	
ISO 150	5 Gallons	0 to 32°F	75636*	
ISO 220	1 Quart	32 to 90°F	49071	
ISO 220	1 Gallon	32 to 90°F	49073	
ISO 220	5 Gallons	32 to 90°F	75637*	
ISO 320	1 Quart	90°F+	49142	
ISO 320	1 Gallon	90°F+	75638	
ISO 320	5 Gallons	90°F+	75639*	
Shell Gadus	14-oz Cartridge	—	49013**	
Synthetic Grease	14.1-oz Tube	—	74833†	
Synthetic Grease	5 Gallons	—	74839†	

* Shipping: Additional handling fees apply.
 ** For use with URAI blowers built before 8/1/16 and serial numbers up to but not including 1608A.
 † For use with URAI blowers built on or after 8/1/16 and serial numbers of 1608A and higher.