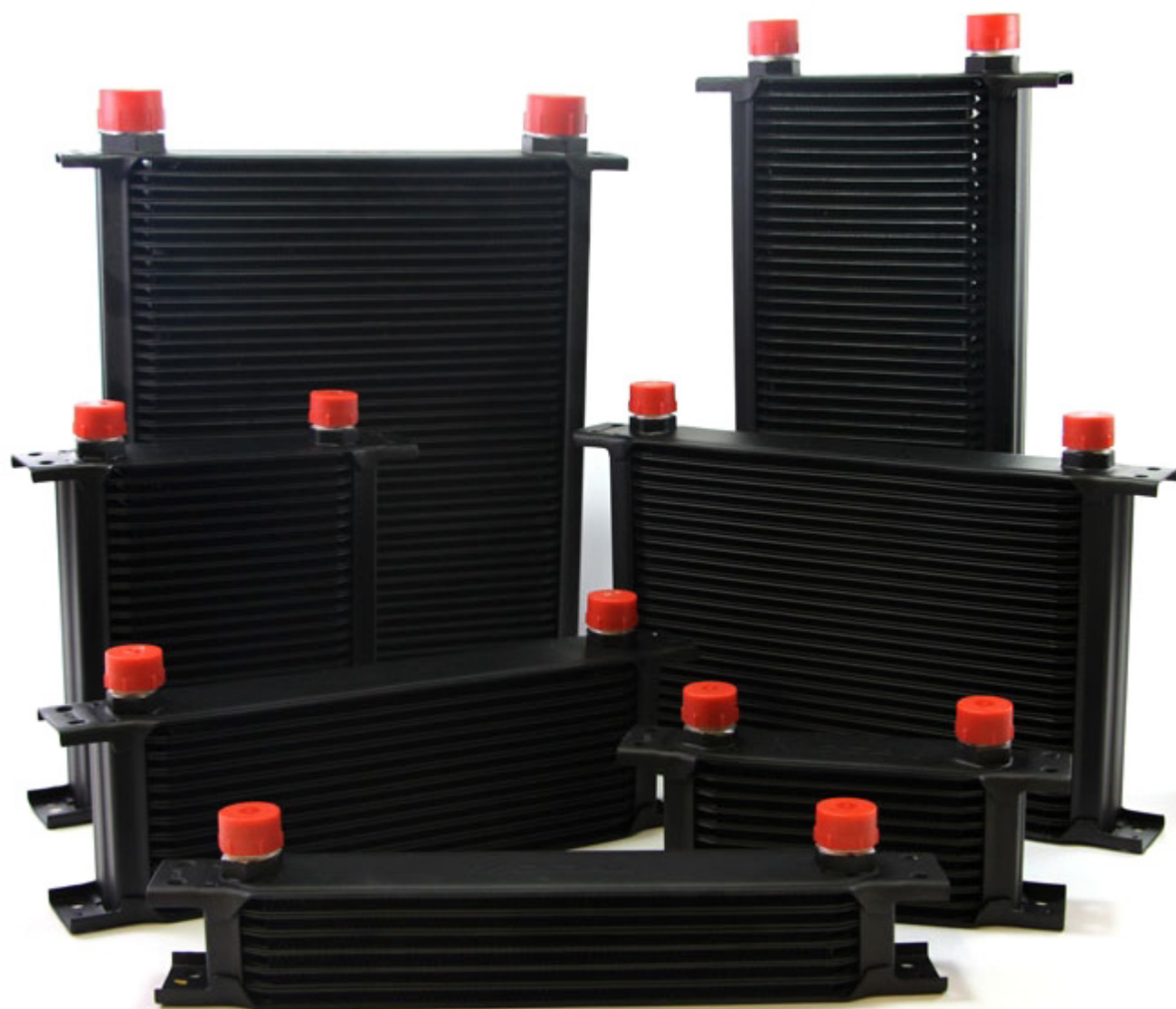




Oil Coolers

MOCAL oil coolers have earned a reputation for being tough, lightweight, and highly efficient. This makes them the obvious choice for all high performance automotive, motorcycle, marine and aviation applications. Oil cooler

construction utilizes a variable number of pressed plates forming oil-ways which contain "turbulators" to break down boundary layer effects in the oil flow allowing for maximum heat

dissipation without undue pressure build-up. Oil-ways are interspaced with corrugations providing airways

between the plates allowing air to pass. Airway corrugations are

also louvered to optimize heat transfer. The entire oil cooler is

made from aluminum alloy braised

into a one piece unit. Each is then pressure tested to 170 p.s.i., sample coolers are put through even more exhaustive testing to ensure their stability under all conditions. Oil Coolers are

available in 235mm and 115mm

core sizes. Fluid connections

are optional in either male

-AN/JIC (-6, -8, -10,

-12, -16) size or male

BSP (1/2", 5/8", 3/4") size

fittings. **MOCAL** oil coolers

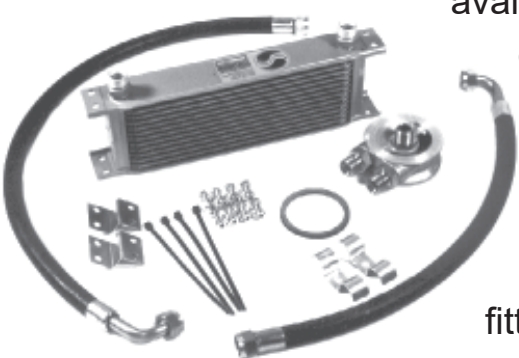
are suitable for all engine, transmission and differential

cooling applications. We can supply oil cooler installation

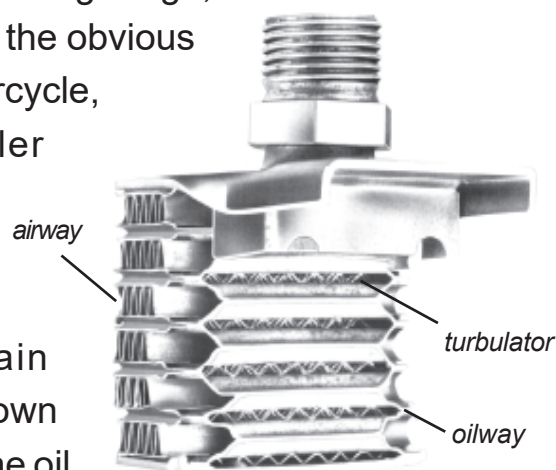
kits for most popular automotive applications and stock a full line of oil plumbing components. Our technical staff is also available to assist in selecting the proper cooling components for your requirements.



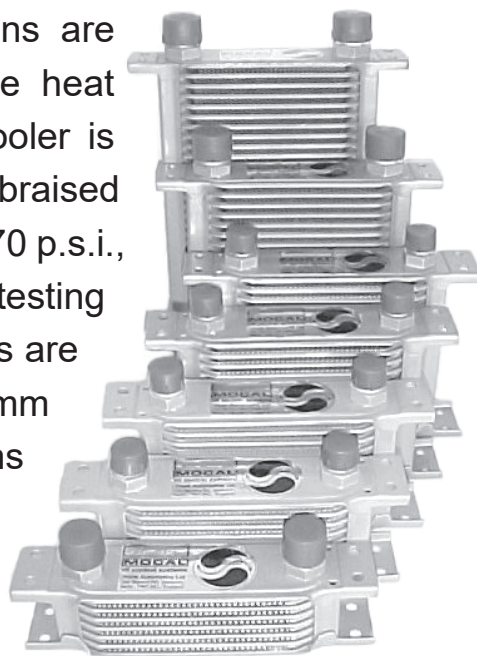
235 Matrix Oil Coolers



Oil Cooler Instal Kits

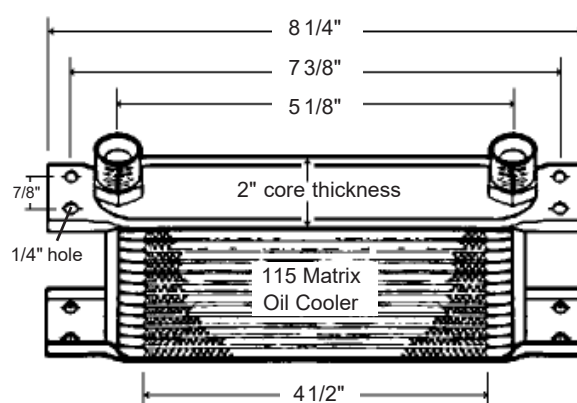
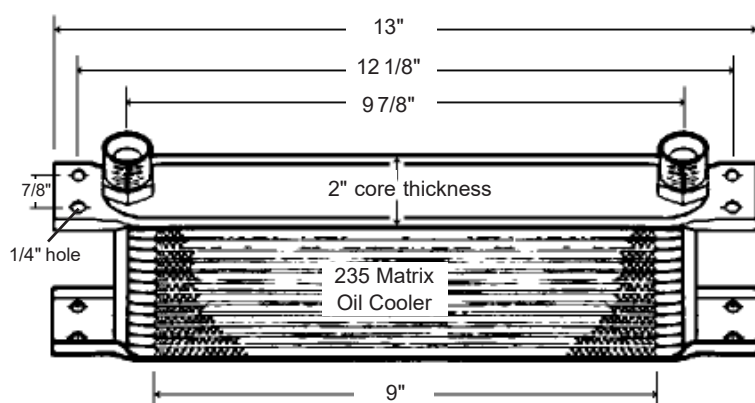


Oil Cooler Cutaway



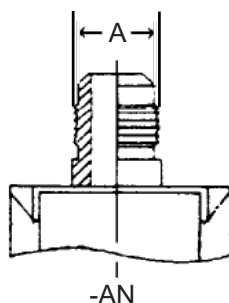
115 Matrix Oil Coolers

MOCAL Oil Cooler Specifications



**-AN (JIC) Fitting
37 degree**

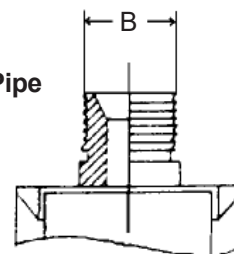
-6AN	A= 0.56"
-8AN	A= 0.75"
-10AN	A= 0.87"
-12AN	A= 1.06"
-16AN	A= 1.31"



-AN

**BSP Fitting
British Standard Pipe**

3/8 BSP	B= 0.66"
1/2 BSP	B= 0.81"
5/8 BSP	B= 0.90"
3/4 BSP	B= 1.03"



B.S.P.



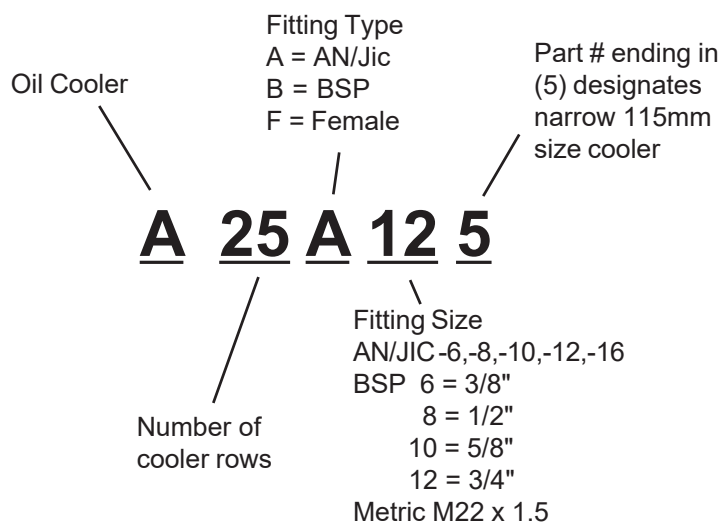
	Row	Core Height	235 Matrix Coolers		Fluid Capacity
			Dry Weight		
235 Matrix Coolers	7	2.06" (53mm)	1.2 lbs (0.53kg)		0.15 Qt (0.14L)
	10	3.03" (77mm)	1.6 lbs (0.71kg)		0.20 Qt (0.20L)
	13	3.94" (100mm)	2.0 lbs (0.88kg)		0.25 Qt (0.26L)
	16	4.86" (124mm)	2.4 lbs (1.06kg)		0.30 Qt (0.32L)
	19	5.78" (147mm)	2.8 lbs (1.24kg)		0.40 Qt (0.38L)
	25	7.63" (194mm)	3.6 lbs (1.60kg)		0.55 Qt (0.50L)
	34	10.44" (265mm)	4.7 lbs (2.14kg)		0.75 Qt (0.68L)
	44	13.53" (344mm)	6.0 lbs (2.73kg)		0.95 Qt (0.88L)
	50	15.34" (390mm)	6.6 lbs (3.09kg)		1.10 Qt (1.00L)
	60	18.50" (470mm)	7.9 lbs (3.69kg)		1.30 Qt (1.20L)
115 Matrix Coolers	Row	Core Height	Dry Weight	115 Matrix Coolers	
				Fluid Capacity	
	7	2.06" (53mm)	0.7 lbs (0.31kg)		0.07 Qt (0.08L)
	10	3.03" (77mm)	0.9 lbs (0.39kg)		0.11 Qt (0.12L)
	13	3.94" (100mm)	1.1 lbs (0.48kg)		0.15 Qt (0.16L)
	16	4.86" (124mm)	1.3 lbs (0.60kg)		0.20 Qt (0.19L)
	19	5.78" (147mm)	1.6 lbs (0.67kg)		0.22 Qt (0.23L)
	25	7.63" (194mm)	2.0 lbs (0.84kg)		0.28 Qt (0.30L)
	34	10.44" (265mm)	2.7 lbs (1.15kg)		0.43 Qt (0.41L)
	44	13.53" (344mm)	3.4 lbs (1.46kg)		0.59 Qt (0.53L)
	50	15.34" (390mm)	3.7 lbs (1.63kg)		0.65 Qt (0.60L)
	60	18.50" (470mm)	4.5 lbs (1.94kg)		0.80 Qt (0.72L)
	72	22.25" (565mm)	5.6 lbs (2.30kg)		0.95 Qt (0.87L)

Oil Cooler Row & Fitting Size	Part # 235mm	Part # 115mm
----------------------------------	-----------------	-----------------

7 Row AN-6	A7AN6	A7A65
7 Row AN-8	A7AN8	A7A85
7 Row AN-10	A7AN10	A7A105
7 Row BSP 3/8	A7BS6	A7B65
7 Row BSP 1/2	A7BS8	A7B85
10 Row AN-6	A10AN6	A10A65
10 Row AN-8	A10AN8	A10A85
10 Row AN-10	A10A10	A10A105
10 Row BSP 3/8	A10BS6	A10B65
10 Row BSP 1/2	A10BS8	A10B85
10 Row BSP 5/8	A10B10	A10B105
13 Row AN-6	A13AN6	A13A65
13 Row AN-8	A13AN8	A13A85
13 Row AN-10	A13A10	A13A105
13 Row AN-12	A13A12	-----
13 Row AN-16	A13A16	-----
13 Row BSP 3/8	A13BS6	A13B65
13 Row BSP 1/2	A13BS8	A13B85
13 Row BSP 5/8	A13B10	A13B105
13 Row BSP 3/4	A13B12	-----
16 Row AN-6	A16AN6	A16A65
16 Row AN-8	A16AN8	A16A85
16 Row AN-10	A16A10	A16A105
16 Row AN-12	A16A12	-----
16 Row AN-16	A16A16	-----
16 Row BSP 3/8	A16BS6	A16B65
16 Row BSP 1/2	A16BS8	A16B85
16 Row BSP 5/8	A16B10	A16B105
16 Row BSP 3/4	A16B12	-----
19 Row AN-6	A19AN6	A19A65
19 Row AN-8	A19AN8	A19A85
19 Row AN-10	A19A10	A19A105
19 Row AN-12	A19A12	A19A125
19 Row AN-16	A19A16	-----
19 Row BSP 3/8	A19BS6	A19B65
19 Row BSP 1/2	A19BS8	A19B85
19 Row BSP 5/8	A19B10	A19B105
19 Row BSP 3/4	A19B12	-----
25 Row AN-6	A25AN6	A25A65
25 Row AN-8	A25AN8	A25A85
25 Row AN-10	A25A10	A25A105
25 Row AN-12	A25A12	A25A125
25 Row AN-16	A25A16	A25A165
25 Row BSP 3/8	A25BS6	A25B65
25 Row BSP 1/2	A25BS8	A25B85
25 Row BSP 5/8	A25B10	A25B105
25 Row BSP 3/4	A25B12	-----
34 Row AN-8	A34AN8	-----
34 Row AN-10	A34A10	A34A105
34 Row AN-12	A34A12	A34A125
34 Row AN-16	A34A16	A34A165
44 Row AN-10	A44A10	A44A105
44 Row AN-12	A44A12	A44A125
44 Row AN-16	A44A16	A44A165
50 Row AN-12	A50A12	A50A125
50 Row AN-16	A50A16	A50A165
60 Row AN-12	A60A12	-----
60 Row AN-16	A60A16	-----

Part Number Identification

example 25 row 115mm core with -12AN fittings



Coolers supplied in BLACK



2026 Price List

235 Matrix Coolers

	list \$	your \$
7 Row	170.00	155.90
10 Row	190.00	173.25
13 Row	215.00	192.50
16 Row	235.00	217.80
19 Row	255.00	233.50
25 Row	315.00	283.25
34 Row	455.00	415.00
44 Row	600.00	545.00
50 Row	650.00	599.00
60 Row		CALL

2026 Price List

115 Matrix Coolers

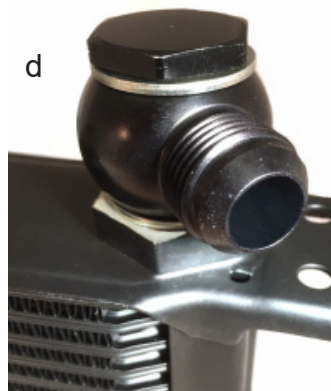
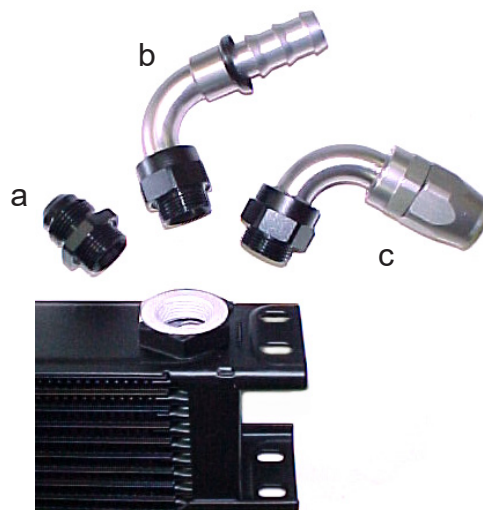
	list \$	your \$
7 Row	140.00	124.25
10 Row	160.00	142.45
13 Row	180.00	164.45
16 Row	200.00	180.95
19 Row	220.00	198.75
25 Row	265.00	242.00
34 Row	380.00	345.50
44 Row	505.00	460.00
50 Row	570.00	525.00
60 Row		CALL

System 22

Mocal System 22 series oil coolers are now available. These coolers use M22mm x 1.5 thread o-ring boss (ORB) type adaptors, hose ends and banjo fittings for added versatility. This concept also allows shops and resellers to stock a minimal range of cores but still have the potential full range of fluid connection sizes available.

System 22 oil coolers feature a versatile 22mm x 1.5 female adaptor fitting system. Select from a range of 22mm x -AN unions or hose ends for direct connection to socketless or stainless braid -AN hose.

- a) Union Adaptor -6 to -16an
- b) Hose End Socketless -6 to -12an
- c) Hose End Swivel -6 to -12an



d) Banjo type cooler adaptors are very handy for space limited installations. Available in two sizes, 22mm x -10AN male and 22mm x 8AN male, these banjo adaptors are the most compact connection available (measuring only 1.75" off the top plate of the cooler).

See next page for complete listing.

2026 Price List

235 Matrix Series 22 Oil Coolers

size	part#	list \$	your \$
7 Row	A7F22	170.00	155.90
10 Row	A10F22	190.00	173.25
13 Row	A13F22	215.00	192.50
16 Row	A16F22	235.00	217.80
19 Row	A19F22	255.00	233.50
25 Row	A25F22	315.00	283.25
34 Row	A34F22	455.00	415.00
40 Row	A40F22	545.00	495.00
44 Row	A44F22	600.00	545.00
50 Row	A50F22	650.00	599.00

2026 Price List

115 Matrix Series 22 Oil Coolers

size	part#	list \$	your \$
7 Row	A7F225	140.00	124.25
10 Row	A10F225	160.00	142.45
13 Row	A13F225	180.00	164.45
16 Row	A16F225	200.00	180.95
19 Row	A19F225	220.00	198.75
25 Row	A25F225	265.00	242.00
34 Row	A34F225	380.00	345.50
44 Row	A44F225	505.00	460.00
50 Row	A50F225	570.00	525.00

■ Coolers supplied in BLACK



Universal Cooler Mounting Brackets (pair)

Description	part #	price \$
Cooler Mounts (pair)	OCB1	\$21.50

These reinforced steel brackets offer a universal mounting solution for all sizes and widths of Mocal and Setrab oil coolers, with options for orientation. Brackets feature a durable powdercoated finish and 70A durometer damping pads to help isolate coolers from vibration. Sold as a pair (2) and include rubber damping, threaded backing plates and hardware.

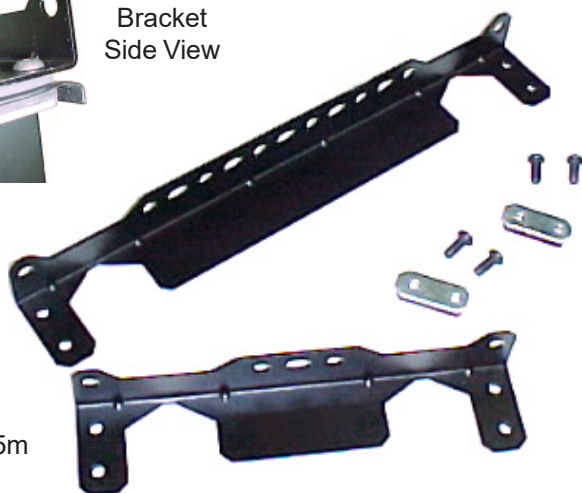
Oil Cooler Accessories



Bracket
Side View

235m

115m



Oil Cooler Mounting Brackets

Description	part #	price \$
Cooler Mount (115m)	ABKT-115	\$19.50
Cooler Mount (235m)	ABKT-235	\$23.70

These versatile formed aluminum brackets provide the most secure method for mounting radiator type oil coolers. Brackets incorporate rubber damping pads to reduce vibration and are available in 115mm and 235mm core versions. Shorter height coolers (less than 16 row) can use single bracket off one end, larger cores should be supported from both ends. Sold (1) for each cooler end; includes one bracket with hardware.

13 Row Series 1 4" Fan Pack



25 Row
6.5" Fan
Combo

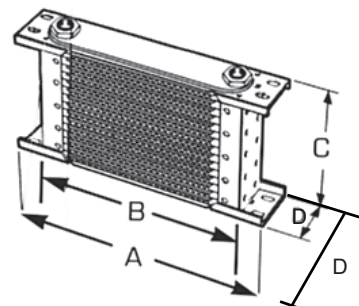


19 Row
5.25" Fan
Combo

Oil Coolers & Fan Combo (Fan Pack)

Description	part #	price \$
13 Row Series 1 (single 4" fan) A) 8.25" B) 7.5" C) 4" D) 4" (2" core, 2" fan) 150 cfm fan	FBC113	\$305.00
19 Row Series 1 (single 5.25" fan) A) 8.25" B) 7.5" C) 6" D) 4" (2" core, 2" fan) 340 cfm fan	FBC119	\$340.50
25 Row Series 6 (single 6.5" fan) A) 13" B) 11.25" C) 8" D) 4.25" (2" core, 2.25" fan) 330 cfm fan	FBC625	\$480.00
34 Row Series 6 (single 9" fan) A) 13" B) 11.25" C) 10.25" D) 4.25" (2" core, 2.25" fan) 630 cfm fan	FBC634	\$655.00
50 Row Series 6 (dual 6.5" fans) A) 13" B) 11.25" C) 15.375" D) 4.25" (2" core, 2.25" fan) 2x 340 cfm fans (680 cfm total)	FBC650	\$850.00

If your application involves low vehicle speeds, restrictive air flow or static industrial cooling installations adding a fan is the logical answer. Mocal cooler/fan combos are available in most popular fluid connections (-AN, BSP, push-on). Fans have water-resistant motors and are supplied in "puller" blade configuration.



Oil Cooler Accessories



25 Row
6.5" Fan &
Shroud



13 Row (S1)
4" Fan &
Shroud

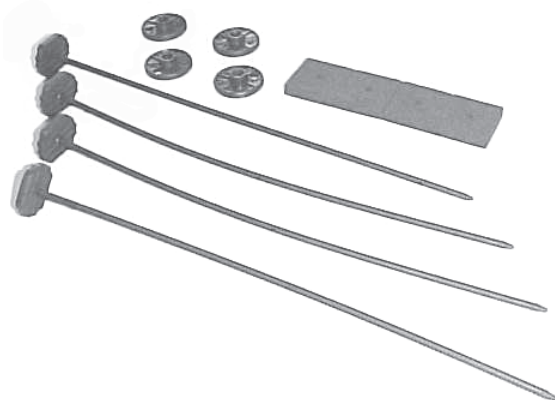


19 Row
5.25" Fan &
Shroud

Fan & Mounting Shroud (less cooler)

Description	part #	price \$
Fan Mount Series 1 13 Row single 5.25" 340cfm fan	FP113KIT	\$140.50
Fan Mount Series 1 19 Row single 5.25" 340cfm fan	FP119KIT	\$145.00
Fan Mount Series 6 25 Row single 6.5" 330cfm fan	FP625KIT	\$200.00
Fan Mount Series 6 34 Row single 9.0" 630cfm fan	FP634KIT	\$250.00

Already have a 113, 119, 625 or 634 size oil cooler and want to add a fan? This kit includes fan, shroud/brackets and hardware from our complete cooler fan packs, less the oil cooler. Fans have water-resistant motors and are supplied in "puller" blade configuration.



Oil Cooler Fan Mounting Strips

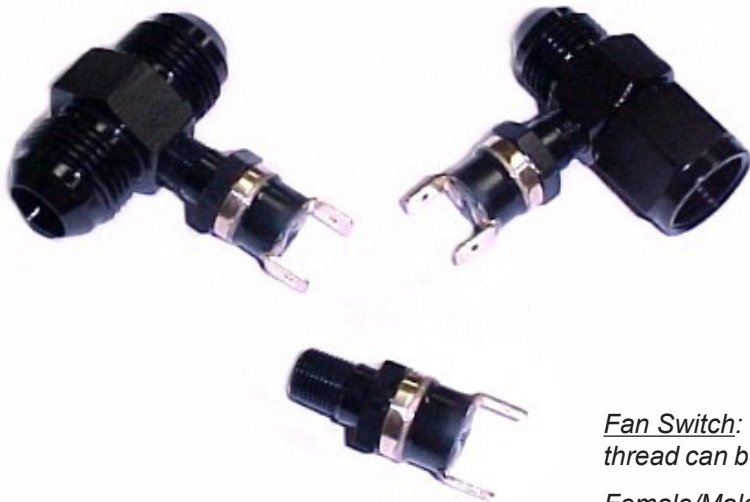
Description	part #	price \$
Cooler/Fan mounting strips	ABKT1	\$23.25

Special slim gauge nylon "zip strip" mounting provide a simple and secure method for mounting fans to oil coolers, water radiators or intercoolers. They can also be used to mount oil coolers to water radiators or alike components. Kit includes four heavy duty tie mounts with protective foam pads for easy installation.

Electric Fan Accessories

Fan Switches & Associated Parts

Description	part #	price \$
Fan Switch 180°	FS180	\$22.50
Fan Switch 190°	FS190	\$22.50
Fan Switch 200°	FS200	\$22.50
-8AN Male/Female	GA8MF-2	\$12.60
-8AN Male/Male	GA8MM-2	\$10.60
-10AN Male/Female	GA10MF-2	\$16.25
-10AN Male/Male	GA10MM-2	\$14.25
-12AN Male/Female	GA12MF-2	\$19.50
-10AN Male/Male	GA12MM-2	\$17.10



Fan Switch: Small preset 180°, 190° or 200° switch with 1/8" NPT male thread can be fitted to oil coolers or plumbing to activate auxiliary fan(s).

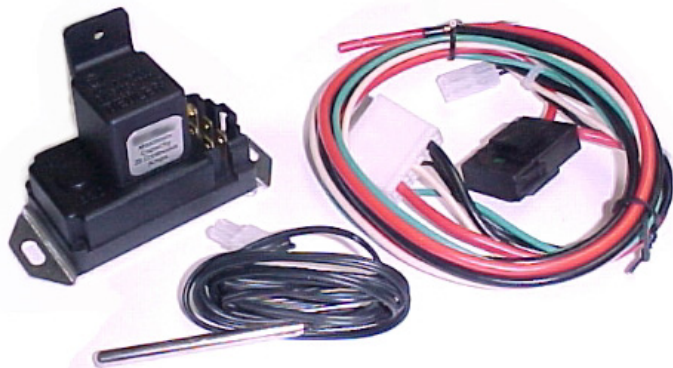
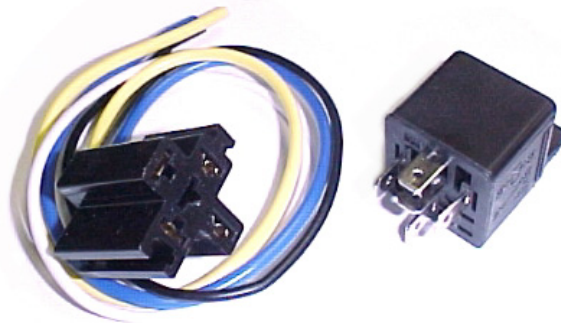
Female/Male: Installs over an existing -AN male. Provides (1) 1/8" NPT port for fan switch or gauge sender. Adds about 1" additional length depending on size.

Male/Male: Installs in hose. Provides (1) 1/8" NPT port for fan switch or gauge sender. Adds about 1 1/2" additional length to hose depending on size.

Fan Relay 12v with Harness

Description	part #	price \$
12v Relay	Relay12	\$8.50

Fans should be supplied power through a relay which provides power directly from 12v source. Use a fan switch (above) or manual switch (you provide) to trigger relay. Harness/plug included, 12 volt 30/40 amp rated.



Fan Wiring Kit - Adjustable 150f - 240f

Description	part	price \$
Fan Wiring Kit Adjustable	AFTR1	\$105.00

Adjustable turn-on range 150f - 240f fan wiring kit uses push-in probe sensor. Turn-off is -10f lower than turn on. Controller has simple potentiometer control for temperature set and incorporates 40amp relay. Override circuit is built in for manual switch or trigger with a/c compressor (on). Wiring and fuse holder is included. Sensor is a serviceable part.

Oil Cooler Ducting



OCD13, OCD16



16 row 235m Cooler w/ OCD16

Oil Cooler Ducting

Description	part #	price \$
Duct for 13 row	OCD13	\$83.10
Duct for 16 row	OCD16	\$89.50
Duct for 19 row	OCD19	\$94.00

Oil cooler ducting is a simple and effective way to maximize cooling performance, especially when the cooler is mounted in a reduced airflow location. Available for 235 matrix size 13, 16 and 19 row coolers, brackets and hardware are included. Hose connections are single 3" or 3.5" on 13 and 16 row size and double 2.5" or 3" on the 19 row size. Maximum depth required is 6" (other dimensions are the same as cooler matrix area).



BAT Inc. USA • (941) 355-0005 • mocalusa.com



OCD19

Specialty Oil Coolers



OCNIS1



MOCAL Oil Cooler for Nissan GT-R (R35)

Description	part #	price \$
Oil Cooler GT-R (R35)	OCNIS1	\$725.00

This is our new, direct fit, high-performance oil cooler for the Nissan GT-R (R35) 2009+ US/JDM, and European models. Cooler features a heavy duty bar/plate core with increased surface area over the somewhat fragile and exceedingly expensive (+\$3,000) OEM tube/fin cooler. Our GTR oil cooler is a complete plug-and-play solution which attaches to factory hoses and mounting point; optionally the fluid connections are internally threaded for M22 x –AN unions (-10 or -12); this makes it suitable for use with aftermarket –AN hose/fitting assemblies. With the ever increasing amounts of power customers are getting out of the GT-R type engines, keep in mind oil coolers should always be replaced after engine failures; also if using high volume/pressure oil pumps, our cooler is also capable of operating at +50psi over the standard cooler.



MOCAL

APC12 / 16 Oil Cooler
(16" x 4.5" x 2" core)

MOCAL Front Spoiler Oil Cooler

Description	part #	price \$
Spoiler Cooler -12AN	APC12	\$742.50
Spoiler Cooler -16AN	APC16	\$742.50

This coolers large 26 inch cross flow design cooler is well suited to front spoiler installations and its' a direct fit for "RUF" brand 911/930 front spoilers. Cooler features unique double stack oil passages giving it a high BTU rating for its size; as well, bar and plate design makes it strong and capable for motorsports use. Cooler is available with either -12AN or -16AN male fluid connections. Mounting tabs are provided at top and sizes to aid installation.

BAT inc. 7630 Matoaka Road. Sarasota, FL 34243 ♦ phone (941) 355-0005 ♦ fax (941) 355-4683

Prices subject to change without notice.