

Industrial Air

Silenced Screw Air Compressors



CPA Range

**High-performance products.
Designed for you !**

CPA Range - Electric Screw Compressors

- Starting from 5.5 kw / 7.5 hp to 15 kw / 20 hp
- FAD 22 cfm to 71 cfm
- Available in three pressure variant - 7, 10 & 13 bar (g)
- Also available with inverter drive (IVR)



CPA on 300 Litre Receiver Tank



CPA on 500 Litre Receiver Tank



CPA on Receiver Tank with Dryer



CPA Floor Mounted

A Complete Compressed Air Package

CPA compressors are available in three option

- CPA mounted over Receiver Tank
- CPA with Refrigerated dryer mounted over Receiver Tank
- Receiver options (300/500) litres
- CPA Floor Mounted

Design specifically form customer's perspective

Small foot print

To save floor space for the entire compressed air system

Proximity to point of usage

Avoid any pressure drops in piping

CPA compressors over receiver tank

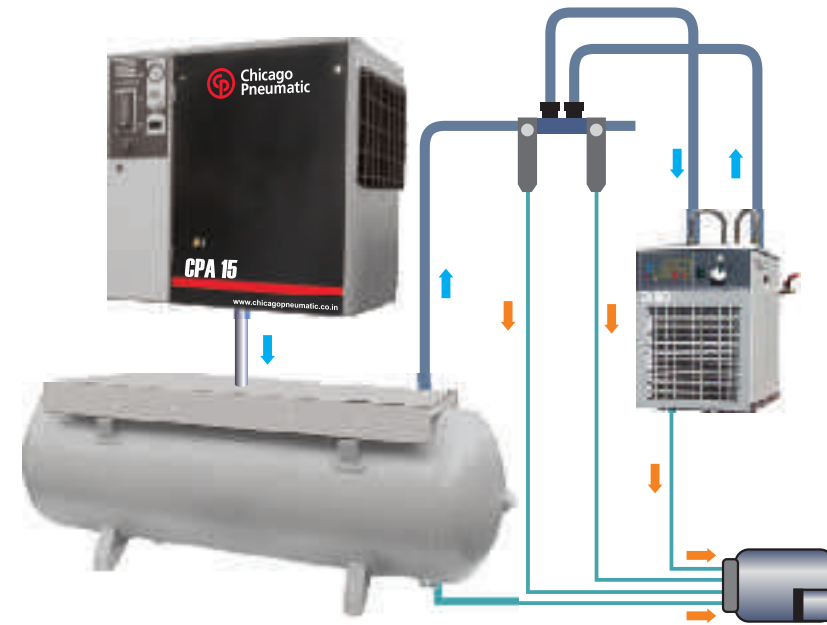
CPA Compressor + Horizontal Receiver Tank

CPA with refrigerated dryer and compressed air line filters mounted over receiver tank

CPA Compressor + Horizontal Tank + Pre Filter + Refrigerant Dryer + Post Filter + Moisture Separators

Innovative Design Concept

CPA with refrigerated dryer and compressed air line filter mounted over receiver tank



Compressed air flow

Compressed air from CPA compressor is stored in receiver tank prior to entering refrigerated dryer ensuring lower compressed air temperature at inlet of dryer providing benefits

Benefits

- Reduced load on dryer
- Reduces power consumption of dryer
- Better dew point is achieved

Compressed air line filters

- Filtration of compressed air ensures cleaner and technically oil free air helps in
- Lower maintenance costa for distribution network, machinery and pneumatic tools
- Energy savings through reduced in-line pressure drops
- Improved productivity due to fewer break downs
- Better final product quality



Complete Quality Air Package

CPA compressors when mounted over tank with dryer are also equipped with compressed air line filters to provide technically oil free compressed air.

Features

Reliability in Performance

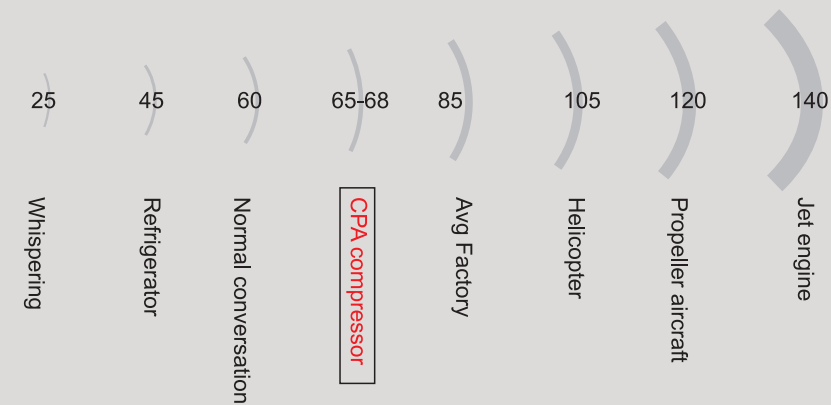
- Industrial technology compressors
- High quality in Design, Components and Manufacturing
- Factory tested complete compressed air system use of world class rotary screw elements, designed for continuous operation

Spin on Type Oil Filter & Air Oil Separator

- Convenient location of oil receiver, oil filter and air oil separator-user friendly from servicing point of view
- 3 Stage separation of oil from compressed air (Centrifugal, Gravitational, Coalescent Filtration)
- Oil level indicator indicates oil level without any need to open canopy doors
- Oil Receiver Pressure indicator indicating differential pressure across air oil separator

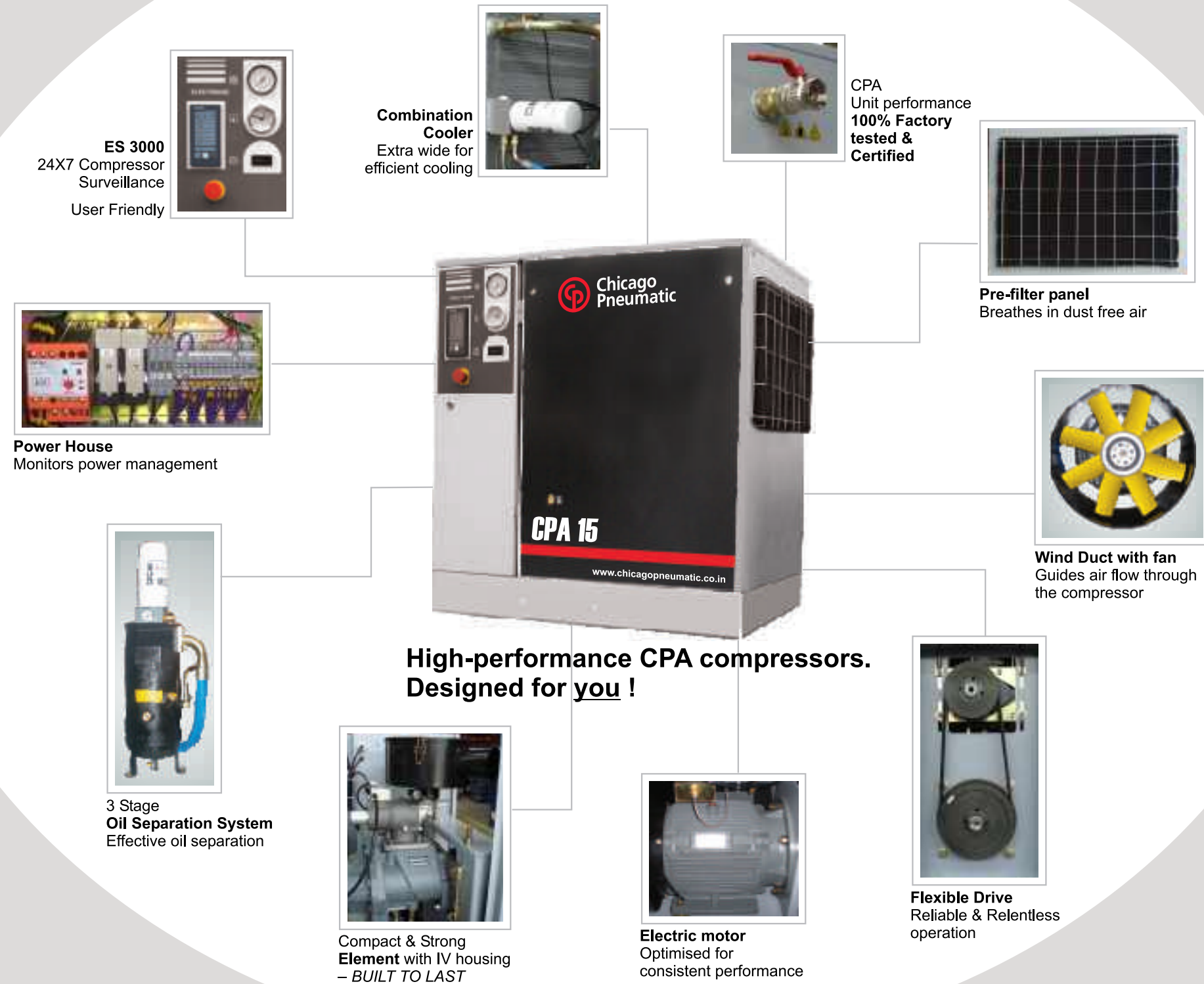
Quiet Operation

- Rotary screw technology
- Sound enclosure helps in noise reduction



Pre-Filtering Panel and Natural Ventilation Passage- A Unique Design Feature

- Pre filter avoids any dust entry inside the canopy
- Pre filter maintains cleanliness inside canopy
- Pre filter enhances suction filter element life
- Natural ventilation passage provides smooth & consistent flow of cool ambient air
- Pressurised canopy interior avoids any suction pressure drop



ES 3000
24X7 Compressor Surveillance
User Friendly

Combination Cooler
Extra wide for efficient cooling

CPA Unit performance
100% Factory tested & Certified

Pre-filter panel
Breathes in dust free air

Wind Duct with fan
Guides air flow through the compressor

High-performance CPA compressors. Designed for you !

Power House
Monitors power management



3 Stage Oil Separation System
Effective oil separation



Compact & Strong Element with IV housing
- BUILT TO LAST



Electric motor
Optimised for consistent performance



Flexible Drive
Reliable & Relentless operation

Power Efficient Cooling System with Compact Combination Cooler

- Cool ambient air passes through canopy passage carrying away heat from hot parts and leaves canopy from top panel
- Requires no separate fan motor for the cooler resulting in power saving

Simple and Low Cost of Maintenance

- Minimum wearing parts resulting in longer service intervals
- Easy access through removable front panel
- Service friendly design and availability of standard & genuine service kits make maintenance very easy and cost effective

Energy Saving with Electronic Regulation



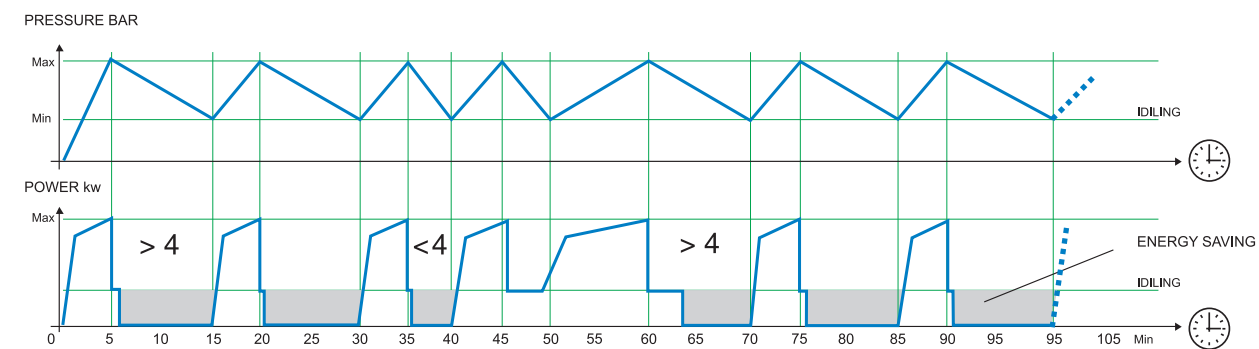
Electronic regulation

The ES 99 electronic controller groups all the commands all the controls and all the alarms of the machine.

This device allows the management of all the running and control functions of the machine, eliminating need for supervision during working.

Energy saving

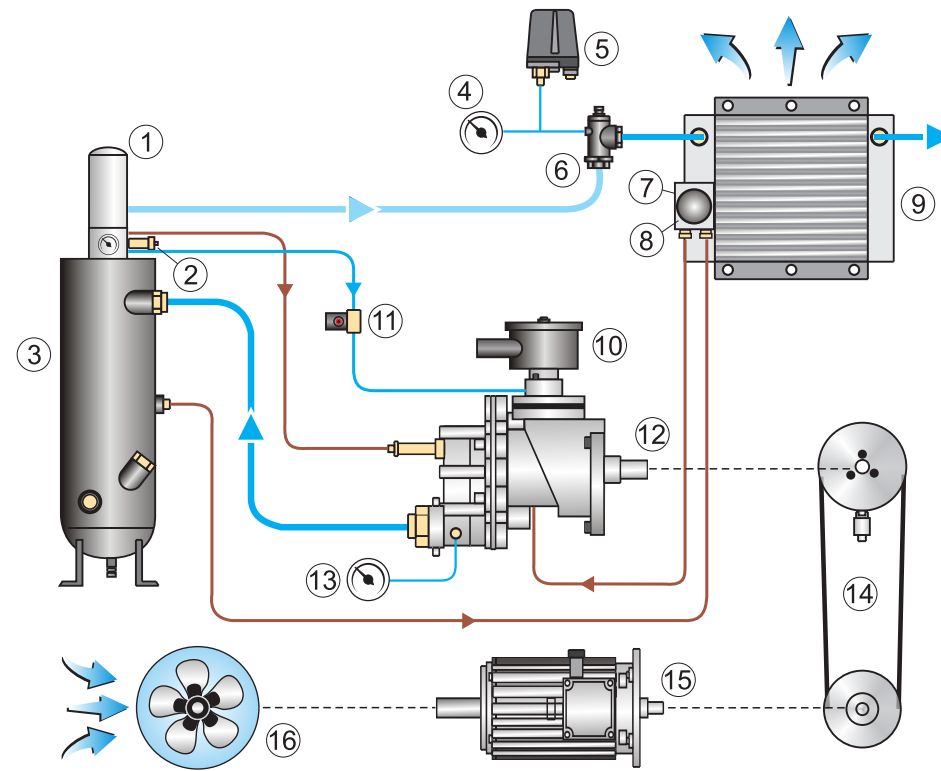
The ES99 compressor management software allows a considerable reduction in **electricity consumption**.



The "intelligent" program of the ES 99 has the unique property of distinguishing between three types of air consumption.

- Idling time **< 4 min. highconsumption**, (brief idling periods). The program sets idling-loading operation, avoiding stopping and starting of the electric motor.
- Idling time **> 4 min. lowconsumption**, (long idling periods). The program sets energy saving operation. When the compressor reaches the maximum pressure it idles for a time of 30 sec. and is then placed in stand-by, avoiding the motor running when it is not needed.
- **Intermittent consumption**. By constantly monitoring the operation times, the program is able to distinguish between the consumption cycles (see diagram), adjusting itself to optimum mode. Switching over between high and low consumption cycles takes place automatically, based on a test of the last cycle performed.

Flow Diagram



- 1 Air / Oil separator filter
- 2 Safety valve
- 3 Oil tank
- 4 Pressure gauge
- 5 Pressure switch
- 6 Min. Pr. valve
- 7 Thermostatic valve
- 8 Oil Filter
- 9 Air / Oil cooler
- 10 Air intake filter
- 11 Solenoid Valve
- 12 Screw compressor unit
- 13 Thermometer - themostant
- 14 Transmission unit
- 15 Electric motor
- 16 Cooling fan

— Air — Oil

Technical Data

Model							End Connection		
	in bar G	HP	KW	Cu. m/min	CFM	Noise dB (A)			
CPA 7.5/7	7	7.5	5.5	0.85	30	68	3/4"	195 FM* Version	Floor Mounted Version 965 x 617 x 1040 Tank Mounted Version : 1925 x 617 x 1640
CPA 7.5/10	10	7.5	5.5	0.63	22	68	3/4"	695 TM* Version 725 TMD* Version	
CPA 10/7	7	10	7.5	1.17	42	68	3/4"	215 FM* Version	
CPA 10/10	10	10	7.5	1.00	35	68	3/4"	715 TM* Version	
CPA 10/13	13	10	7.5	0.79	28	68	3/4"	740 TMD* Version	
CPA 15/7	7	15	11	1.65	58	68	3/4"	230 FM* Version	
CPA 15/10	10	15	11	1.40	50	68	3/4"	730 TM* Version	
CPA 15/13	13	15	11	1.21	43	68	3/4"	765 TMD* Version	
CPA 20/7	7	20	15	2.00	71	68	3/4"	235 FM* Version	
CPA 20/10	10	20	15	1.79	63	68	3/4"	735 TM* Version	
CPA 20/13	13	20	15	1.47	52	68	3/4"	770 TMD* Version	

Note : 1. Unit performance measured according to ISO 1217 Ed 3 Annex C. 1996.
 2. Noise level measured according to Pneurop / CAGI PN8NTC2.
 3. Receiver capacity options are 300/ 500 ltrs.

CPA IVR Range - CPA Range is also available with inverter drive.

FM : Floor Mounted
 TM : Tank Mounted
 TMD : Tank Mounted with Dryer

Chicago Pneumatic (CP) is a global leader in the design, manufacture and distribution of high-performance Industrial, Portable compressors and associated accessories.

Since 1901, The CP brand has served the Industrial, Construction and Vehicle Service market. Our long presence in the Industry through reliable, high-performance products and our expertise in dealing with wide range of applications has made CP brand to be trustworthy partner of our customers. Our eco-friendly range of piston compressors, screw compressors, CNG compressors and allied accessories conform to highest level of design standard.



Chicago Pneumatic Sales

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ISO 9001
From design to production and delivery Chicago Pneumatic compressors adhere to the ISO 9001 Management System requirements.



Design
Manufacture, Sales and Service of air compressors, Air dryers and air filters



ISO 14001
Chicago Pneumatic's Environmental Management System forms an integral part of each business process.



ISO 14001
ISO 14001 EMS forms integral part of each business process.

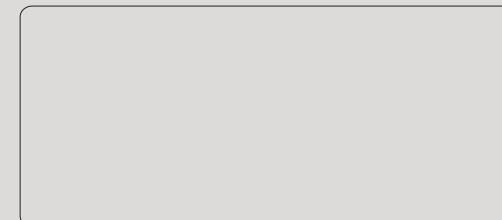
Regional Customer Centres

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EAST	Trinity Plaza, 2nd Floor, East Wing, 84/1A, Topsia Road, (South) Kolkata 700 046	+91-33-22851051	22851052	sales.east@cp.com
CENTRAL	4th Floor, Block A, Amsri Shamira Building, Old Lancer Lines, Secunderabad 500 025	+91 9390038582	-	sales.central@cp.com
SOUTH	Systems Compound, 1A Peenya Industrial Area, Phase II, Bangalore 560 058	+91-80-39280177	39280175	sales.south@cp.com

Area offices : Chennai, Baroda, Udaipur, Ludhiana, Jaipur, Madurai
Resident Offices : Coimbatore, Indore, Chandigarh, Kanpur, Vijaywada, Vizag

Dealer Representation at :

- Ahmedabad • Aurangabad • Bangalore • Barbill • Baroda • Belgaum • Bellari, • Bhopal
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- Phuntsholing • Puduchery • Pune • Raipur • Rajkot • Ranchi • Siligudi • Silvassa • Surat
- Thane • Tirupur • Udaipur • Vaizag • Vapi



Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.

AMM / CPA / REV 0 / Aug 08 / 5000