

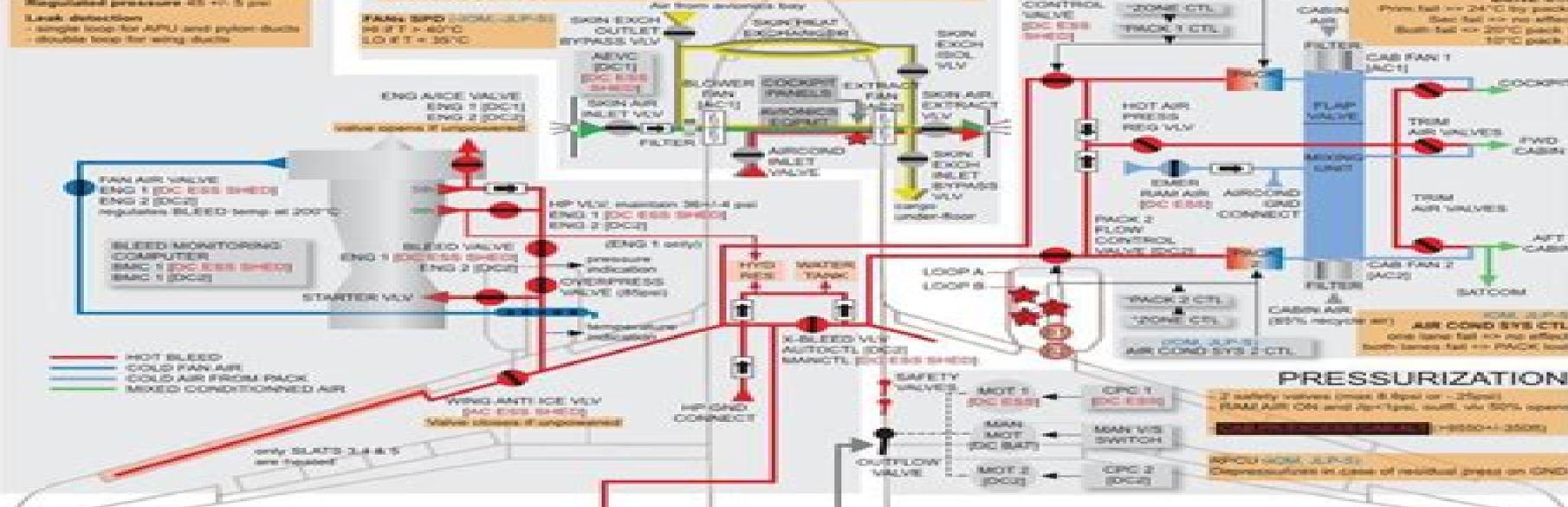
## BLEED

**CAUTION, do not use HP GND air with APU bleed**

- Regulated pressure 45 +/- 5 psi
- Leak detection
  - single loop for APU and system ducts
  - double loop for wing ducts

## AVIONICS VENTILATION

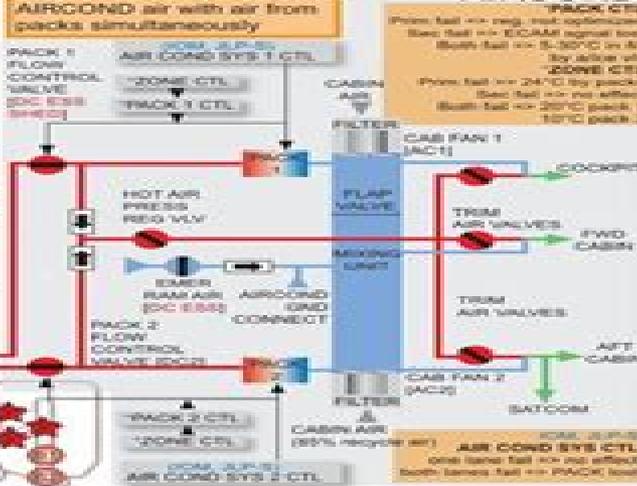
**CONFIGURATIONS:**  
**CLOSED:** on GND (24°C<=T<=37°C) or FLT (24°C<=T<=35°C)  
**INTERMEDIATE:** 2 (24°C<=T<=29°C) then EXTRACT VLV partially opens  
**OPEN:** on GND (24°C<=T<=37°C)  
**SMOKE CONFIG**



## CAUTION, do not use GND AIRCOND air with air from packs simultaneously

## AIRCOND

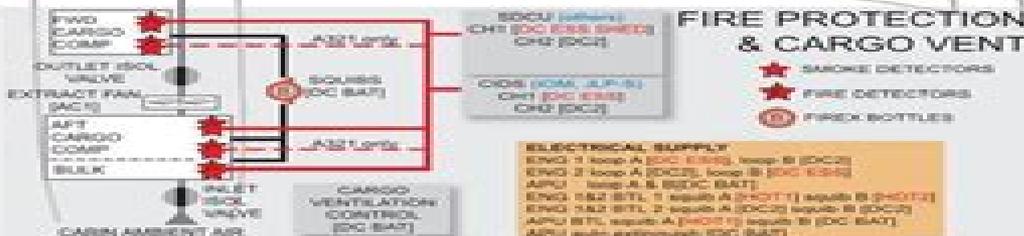
**PACK CTL**  
 From fail => neg. test reported  
 Sec fail => ECAM signal test  
 Both fail => 3-30°C in A  
 by 20°C in B  
**ZONE CTL**  
 From fail => 24°C for pack 1  
 Sec fail => no effect  
 Both lanes fail => 20°C pack 2  
 15°C pack 2



## PRESSURIZATION

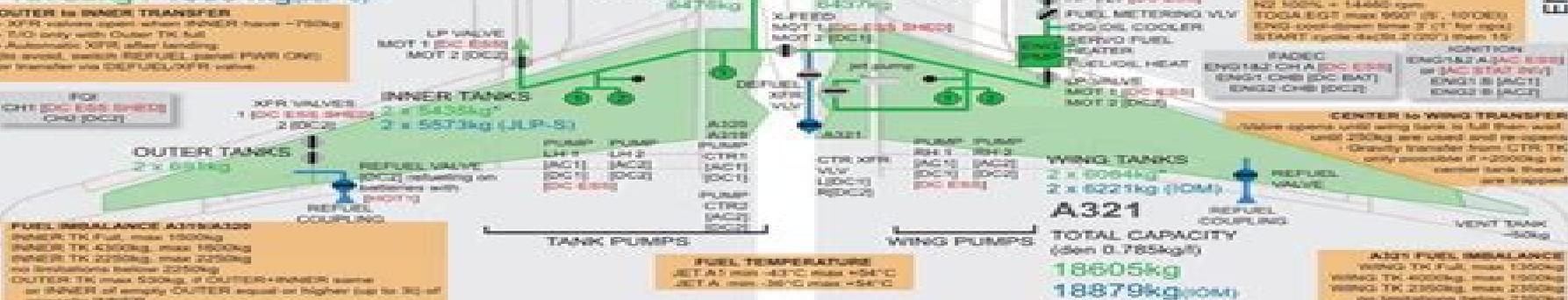
2 safety valves (press 8.5psi or <=25psi)  
 FAN AIR ON and J=1psi, outfl. vlv 50% opens  
 Press 10psi => 15000+ 25000  
 APU (NOM, JLP-S)  
 Depressures in case of residual press on GND

## FIRE PROTECTION & CARGO VENT



## FUEL A319/A320

**TOTAL TANKS CAPACITY (den 0.785kg/l)**  
**18728kg / 19004kg (JLP-S)**



\* all others from type

NOT FOR OPERATIONAL USE ©Phan-Michel Gasser, 12.1.2013

# Airbus System Guide

**Myer Kutz**



## **Airbus System Guide:**

Airbus A350 - Systems Guide for Pilots Faraz Sheikh, 2022-02-22 This is a systems guide for Pilots training or transitioning onto the Airbus A350 series aircraft It covers various aircraft systems with detailed images for you and information for training The 24 chapters included include 1 General 2 Air systems 3 Automatic flight systems 4 Flight management system 5 Communications 6 Electrical system 7 Fire Smoke protections 8 Flight Controls and Slats Flaps 9 Fuel system 10 Hydraulic system 11 Ice rain protection 12 Controls display systems 13 Recording systems 14 Landing Gear 15 Lights 16 Navigation 17 Oxygen system 18 Avionics network IMA 19 Onboard maintenance system 20 Information systems 21 Air traffic control communication systems 22 APU 23 Doors 24 Engines The book is for training purposes ONLY NOT FOR OPERATIONAL USE

**Airbus A320 Systems Displays Manual** Faraz Sheikh , 2022-03-28 This is a technical 117 pages guide for the Airbus A320 Pilot or Cadet to study an in depth breakdown of the various systems pages including the Engine Warning Display presented in the flightdeck The systems displays include CRUISE ENGINE BLEED CABIN PRESSURE ELECTRIC HYDRAULICS FUEL APU AIR CONDITIONING DOOR OXYGEN WHEELS and FLIGHT CONTROLS We have also added a description of the Slats and Flaps part displayed normally on the EWD accesible via the Flight Controls chapter The book comes detailed with high resolution system screen images including images for the various parameters and componenets which are displayed on the system screens It is compatible for the A320 CEO and NEO variants This guide is created for TRAINING PURPOSES ONLY and is NOT to be used for real OPERATIONS

Digital Avionics Handbook, Third Edition Cary Spitzer, Uma Ferrell, Thomas Ferrell, 2014-09-03 A perennial bestseller the Digital Avionics Handbook offers a comprehensive view of avionics Complete with case studies of avionics architectures as well as examples of modern systems flying on current military and civil aircraft this Third Edition includes Ten brand new chapters covering new topics and emerging trends Significant restructuring to deliver a more coherent and cohesive story Updates to all existing chapters to reflect the latest software and technologies Featuring discussions of new data bus and display concepts involving retina scanning speech interaction and synthetic vision the Digital Avionics Handbook Third Edition provides practicing and aspiring electrical aerospace avionics and control systems engineers with a pragmatic look at the present state of the art of avionics

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the present state of the art of avionics [Handbook of Standards and Guidelines in Human Factors and Ergonomics](#) Waldemar Karwowski, Anna Szopa, Marcelo M. Soares, 2021-06-28 With an updated edition including new material in additional chapters this one of a kind handbook covers not only current standardization efforts but also anthropometry and optimal working postures ergonomic human computer interactions legal protection occupational health and safety and military human factor principles While delineating the crucial role that standards and guidelines play in facilitating the design of advantageous working conditions to enhance individual performance the handbook suggests ways to expand opportunities for global economic and ergonomic development This book features Guidance on the design of work systems including tasks equipment and workspaces as well as the work environment in relation to human capacities and limitations Emphasis on important human factors and ergonomic standards that can be utilized to improve product and process to ensure efficiency and safety A focus on quality control to ensure that standards are met throughout the worldwide market

[Secured Transactions Guide](#) Commerce Clearing House, 1969 [Federal Aviation Regulations / Aeronautical Information Manual 2010 \(FAR/AIM\)](#) Federal Aviation Administration, 2009-11-03 The new edition of an essential reference book for everyone who works in aviation [AIRBUS A320 Systems](#) Facundo Conforti, 2019-06-19 Welcome to the most advanced version of the HDIW collection In this seventh edition we will know all the systems of one of the most sold and flown commercial aircraft in the world commercial aviation we will know everything about the fabulous Airbus 320 We will learn the operation of the main systems of the airplane How each of them works and how they are operated by the pilots from the control panels in the cockpit A practical guide didactic and entertaining for any professional who is about to start flying A320 or for any professional who wants to expand their frontiers of knowledge This seventh edition of the most prestigious collection in Latin America promises to mark a before and after in the way of learning the systems of an airplane which complex as it may seem is as simple and entertaining as any other aircraft Studying an airplane has never been so easy and entertaining as before and from the hand of HDIW you will discover that everything is possible to learn if it is explained in the right way Welcome to the Professional Aviation Welcome to HDIW [Federal Aviation Regulations/Aeronautical Information Manual 2013](#) Federal Aviation Administration, 2012-11 All the information you need to operate safely in U S [Analysis, Design and Evaluation of Human-machine Systems 2001](#) Gunnar Johannsen, 2002 This is a proceedings volume from the 8th IFAC IFIP IFORS IEA Symposium on the analysis design and evaluation of human machine systems held in Kassel Germany on 18-20 September 2001 [An Introductory Guide to EC Competition Law and Practice](#) Valentine Korah, 1994 [Readers' Guide to Periodical Literature](#), 1922 An author subject index to selected general interest periodicals of reference value in libraries [Standard Handbook for Aerospace Engineers, Second Edition](#) Brij N. Agrawal, Max F. Platzer, 2018-02-26 Publisher's Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product A single source of essential information

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*Federal Register* ,2004-03     *Human-Centered Aviation Automation: Principles and Guidelines* ,1996     *Human Factors Guidelines for Air Traffic Management (ATM) Systems* ,2000     *Handbook of Transportation Engineering Volume II, 2e* Myer Kutz,2011-03-08 The definitive transportation engineering resource fully revised and updated The two volume Handbook of Transportation Engineering Second Edition offers practical comprehensive coverage of the entire transportation engineering field Featuring 18 new chapters and contributions from nearly 70 leading experts this authoritative work discusses all types of transportation systems freight passenger air rail road marine and pipeline and provides problem solving engineering planning and design tools and techniques with examples of successful applications Volume II focuses on applications in automobile and non automobile transportation and on safety and environmental issues

VOLUME II COVERS Traffic engineering analysis Traffic origin destination estimation Traffic congestion Highway capacity Traffic control systems freeway management and communications Traffic signals Highway sign visibility Transportation lighting Geometric design of streets and highways Intersection and interchange design Pavement engineering flexible and rigid pavements Pavement testing and evaluation Bridge engineering Tunnel engineering Pedestrians Bicycle transportation Spectrum of automated guideway transit AGT and its applications Railway vehicle engineering Railway track design Improvement of railroad yard operations Modern aircraft design techniques Airport design Air traffic control systems design Ship design Pipeline engineering Traffic safety Transportation hazards Hazardous materials transportation Incident management Network security and survivability Optimization of emergency evacuation plans Transportation noise issues Air quality issues in transportation Transportation and climate change

**Professional Pilot's Career Guide** Robert Mark,2007-06-15 Find the Best Paying and Most Fulfilling Jobs in Professional Piloting A valuable employment tool the Professional Pilot Career Guide provides a complete sourcebook of professional flying opportunities This updated guide contains detailed coverage of pilot ratings and practical test standards plus goal achieving tips on job hunting networking regional airlines the majors and more Written by career pilot and aviation industry expert Robert P Mark this vital reference offers a real world look at what it s like to fly for the airlines corporations or charter companies together with guidance on

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